Education Transformation Through ICT Integration

John Davies, Intel Vice President
Collaborating to Engage Students & Empower Educators

- **150M** students used Intel Learning solutions
- Transforming education in **100** countries
- Professional development for **12M** teachers
- **7M** students in Intel Science & Eng Fairs
- **4M** employee volunteer hours for education
- **$1B** invested in the last decade
Shift from Knowledge to Innovation

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
Beyond Computing...

- Critical Thinking
- Collaboration
- Communication
- Problem Solving
- Project Management
- Applied Technology
Intel World Ahead

Access
- PC’s, Tablets....
- Targeted platforms
- Shared access

Connectivity
- Wireless
- Prepaid Broadband
- School Servers
- USF for All

Training
- 12M Teachers Trained
- Digital literacy
- Job Skills

Content
- Publishers & Content
- Key Apps
Global Transformation Wave

Brazil

Bolivia

Portugal

West Bank, Palestine

Georgia

Mexico

Venezuela

Egypt

Panama

Argentina

Kenya

Shenzhen, PRC
Intel Education Engagements in Africa

- Intel Education Initiatives in 24 countries
  - 500k K12 student devices
  - 100k + university student devices
  - 250k teacher PCs

- 1.3M teachers trained in 17 countries

- Local Content Enablement
  - “Intel Explore and Learn” in RSA, NG, KN
  - Skool content in 5 countries

- 150K+ learners reached through science fairs
Enhancing How Teachers Teach And Children Learn

Teacher Professional Development

Educational Content - Global & Local -

Use in School & at Home
Tech-Enabled Learning Space

Student-Centered Classroom
Learning anytime, anywhere, any way

- Teacher Guides
- Collaboration
- Standards-Based Assessment
- Personal Learning Community
- Real-World Projects
- Curriculum & Resources
- Community Experts
- ICT
- Students Create
1. Anywhere & Everybody Learning
   - Mobile Learning
   - One-to-One Learning
   - One-to-Many Devices

2. Dynamic Content
   - Information Networks are Dynamic and Social
   - Teacher & Student Generated Content
   - Educational Gaming

3. Real-Time Calibration Enabled by Cloud
   - Just-in-Time Content Access
   - Real Time Assessment
   - Manageable and Secure Scaling Models
What’s Needed

National Competitiveness Strategy-
Spans Ministries of Education + Telecom + Economy + Innovation…

Private Sector Provides Innovative Ability
Building local capacity to support + grow

Broad-based Change
Parents, Teachers, Universities embracing technology for education

Key Policies:
Teacher Training, e-Content, Funding