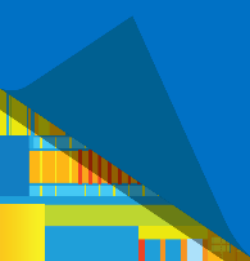




Education Transformation Through ICT Integration

John Davies, Intel Vice President



Intel Education

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**

Enable Creative Thinking and Actions

Intel World Ahead

Access

Connectivity

Training

Content



- PC's, Tablets....
- Targeted platforms
- Shared access

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

- 12M Teachers Trained
- Digital literacy
- Job Skills

- Publishers & Content
- Key Apps

Global Transformation Wave



Brazil



Bolivia



Portugal



West Bank, Palestine



Georgia



Mexico



Venezuela



Egypt



Panama



Argentina

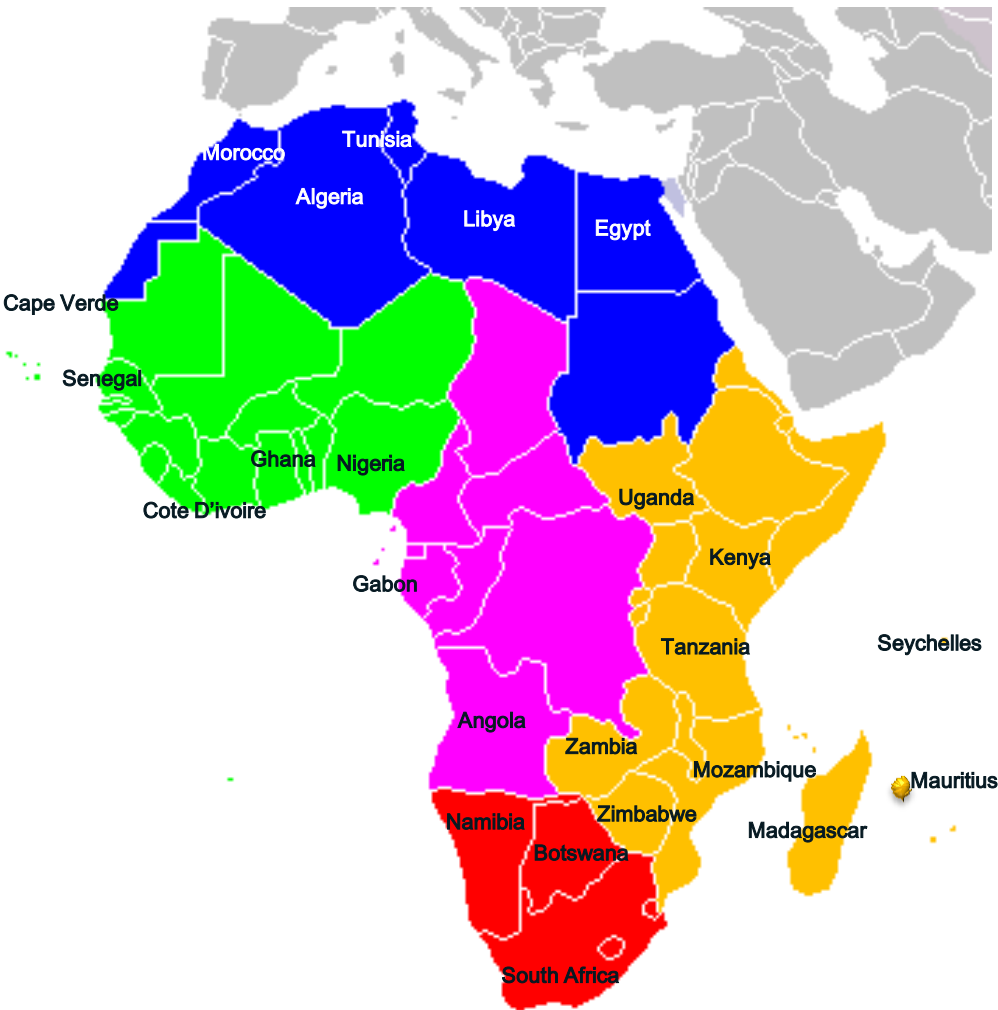


Kenya



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

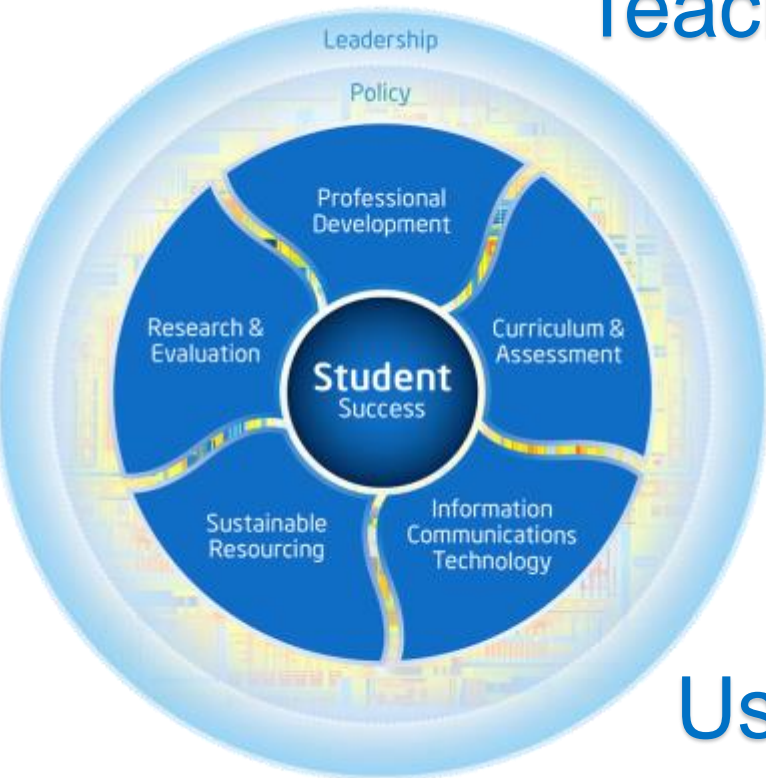
- Local Content Enablement

- “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

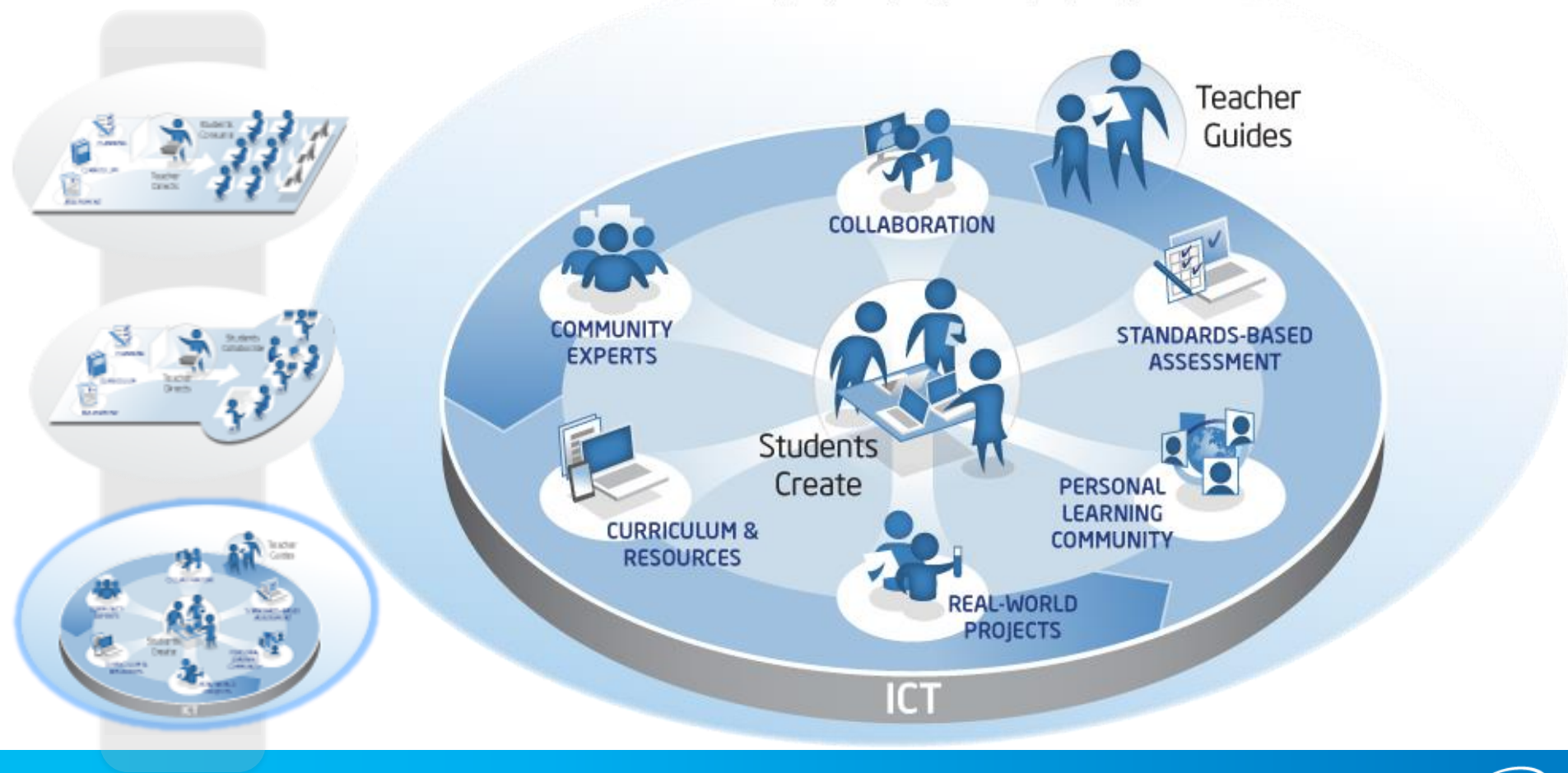


Educational Content
- Global & Local -

Use in School & at Home

Tech-Enabled Learning Space

Student-Centered Classroom
Learning anytime, anywhere, any way



Education ICT Trends



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

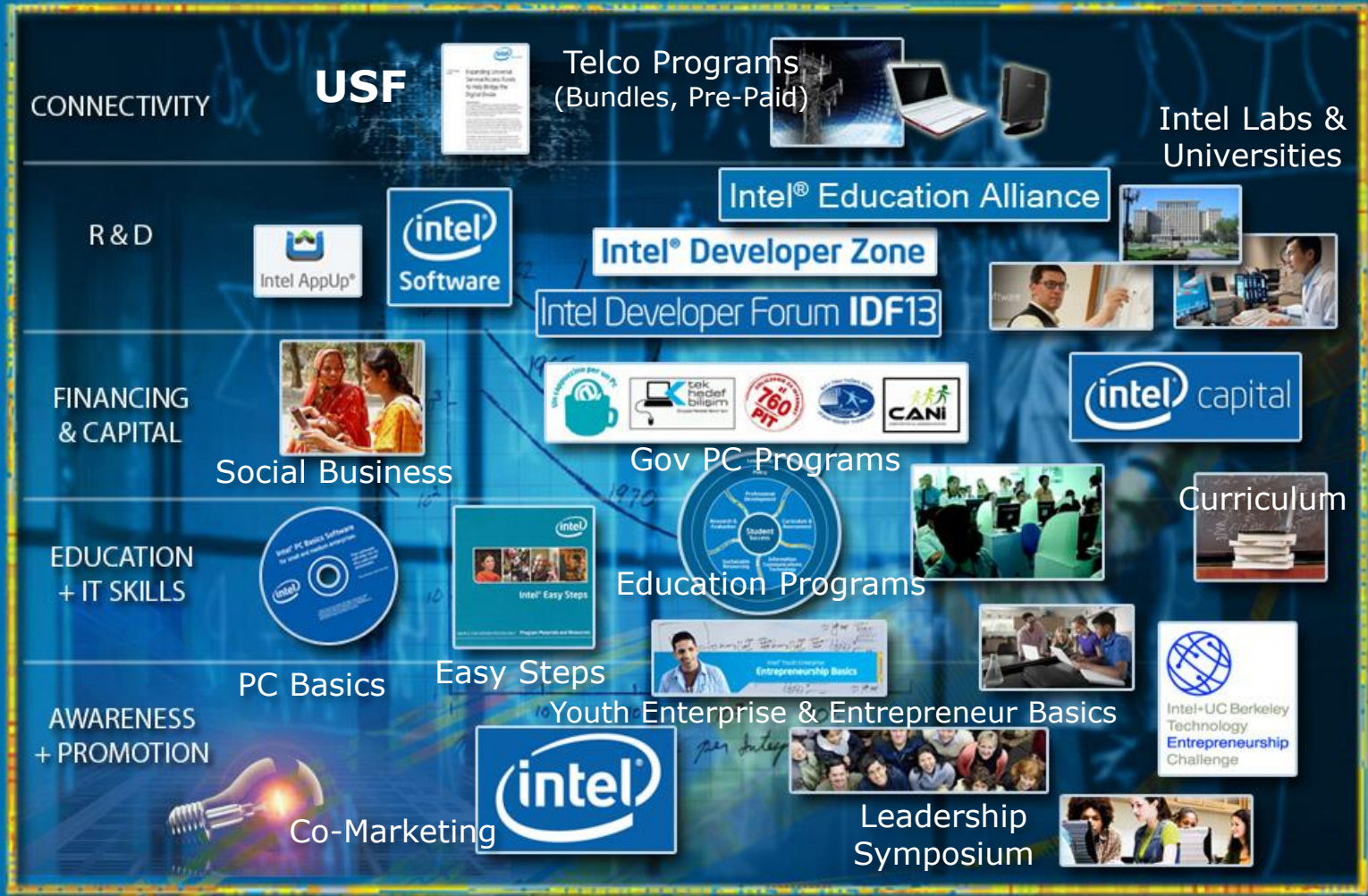
Key Policies:

Teacher Training, e-Content, Funding

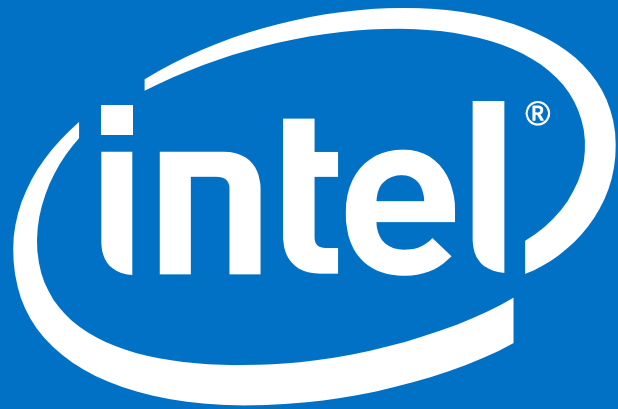


RESOURCES

COMMON FACTORS
(for ICT for Entrepreneurship & Innovation)



READINESS
(for Entrepreneurship & Innovation)



Education