Trends in ICT and Education – Africa and Beyond

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Trends affecting us all

Society and the economy

21st Century learning

Advances in technology
Nov 16th
Financial literacy making school relevant

Nov 9th
Harlem teacher changing lives...

daily edventures
Anthony Salcito’s 365-day look at global heroes in education.
Escuela Nacional Primaria Pepito Tey, Cienfuegos, Cuba
Escuela Normal Superior No.5
Buenos Aires, Argentina
Al Tadhamon Boys School, Yemen
San Chung Senior High School,
Taiwan
Escola Estadual Francisca Josima, Brazil
School No. 56 Primary,
Russia
Libanon Lyceum, Netherlands
Federal Housing Estate Primary School, Nigeria
Escuela Primaria Angela Landa, Cuba
Agnes-Miegel-Realschule, Germany
Do Your Students Love School?
Percentage of Students That Love School by Grade

K: 95
1: 90
2: 82
3: 76
4: 74
5: 65
6: 55
7: 51
8: 48
9: 37
10: 39
11: 40
12: 45

Lee Jenkins: School Administrator May 2012. Reversing the Downslide of Student Enthusiasm.
Expect more.

Question everything.
30 Per Cent of Teachers are Thinking about Leaving Their Job

Met Life Teacher Survey 2012
3.3 Million Teachers needed to achieve universal primary education by 2030 in Africa
Driving Holistic Change
Mozambique
A Global Community

800K
New Users This Year

37
Languages Supported

89,000
Monthly Visitors

2013:
6,000 Hours of Professional Development

16,000
Unique pieces of user generated content
Microsoft Educator Professional Development

- **L100: Digital Literacy**
- **L200: Teaching with Technology + Optional Certification**
- **L300: 21st Century Lesson Design**
- **L400: Peer Coaching**

UNESCO ICT Competency Framework for Teachers

- Digital Literacy | Productivity Tools
- Technology Literacy (ICT in Education Context)
- Knowledge Deepening
- Knowledge Creation
Learning has Changed
Schools have not
Technology will not replace teachers
Teachers using technology will replace teachers not using technology.
Paradigm shifting...
Will they get a job?
Will they become a job creator?
By 2050, Africans will account for:

25% of the world’s workers
Global Research into Driving 21st Century Skills

Ways of thinking
Tools for working
Ways of working
Ways of living in the world
Trends in job tasks
The skills required for success tomorrow

Task input
(percentage of 1960 task distribution)

Source: The Changing Role of Education and Schools, Griffin et al, 2012
Skills Needed in the Economy Today?

SKILLS REQUIREMENTS FOR TOMORROW’S BEST JOBS – IDC Research, October 2013

- Oral and written communication skills
- Detail oriented
- Microsoft Office
- Customer service oriented
- Organizational skills
- Problem solving skills
- Self-starting/self-motivated
- Project management
- Dependability
- Time management
- Data entry

% of positions US Data (25,000 total)
Student Advantage

For Volume Licensing Customers

Purchase Office for 100% of organization's faculty & staff

Office 365 Pro Plus for students at no extra cost
Supporting 8.5 Million Students in Morocco
“Not enough schools”
“Not enough teachers or literate coaches”
“Not enough books”
“Huge expense of printing, transporting, distributing and preserving books”
“Huge expense of assessing and evaluating progress and outcomes”
“Support and celebrate local language & culture”
“Need to support Creation not just Consumption”
“No more pilots!”
“Need solutions which are scalable AND sustainable”
Bringing Access – TV White Spaces
Matuto
A Literacy For Life Partnership
We believe that literacy is the foundation for all learning and that basic literacies must include reading, writing, numeracy and digital literacy skills, so as to ensure that all adults and children have equal access and opportunity in the 21st Century.

View short video tutorials explaining how to use the Chekhov tool to create and share your new ebook with a global population of learners. It only takes a few minutes to write and record your first ebook – so start today!

Use the Chekhov tool to write and record a dynamic ebook which can be used by learners across the globe to develop their literacy skills anytime, anywhere - even when there is no literate adult available to assist them.
Innovation, Skills and Access

150K jobs tied to Microsoft partner ecosystem

4 Microsoft Innovation Centers: Tunisia, Uganda, Botswana, and Tanzania

$9-$11 USD earned by local partners for every $1 of Microsoft Revenue

625 startups supported by Microsoft Bizspark

12 African Languages supported through Microsoft products
2,500 have earned tech certification through Microsoft IT Academy

19 Million students impacted by Microsoft Programs since 2003

100,000 downloads of free developer tools and applications by technical students through DreamSpark

5.3M students using Microsoft Education cloud services for free

885,000 teachers connected through the Partners in Learning Network

Students in 13 African Countries gain career skills & job opportunities through Students-to-Business

Students in 13 African Countries gain career skills & job opportunities through Students-to-Business
$24M in software donated in Africa last year

Named one of the TOP EMPLOYERS in Africa 2012/13 by the CRF Institute

215,000 children and parents trained on Internet Safety

632 nonprofit organizations supported

e-Government Centers created in Kenya, Mozambique and Ghana
The impact of technology

The annual economic benefits in Morocco

- Crime, prison and healthcare reductions: $20 Million
- Savings from social services
- Increased earnings and personal saving: $91 Billion

Impact of providing access to 8.5M students

Arnold Group Research
See report for assumptions