

A group of young African women in school uniforms, with one in the foreground looking at a tablet.

# Innovation in Education

Enabling Employability and  
Entrepreneurship across Africa

Lutz Ziob

Dean of 4Afrika Academy  
Microsoft 4Afrika Initiative

## The great mismatch



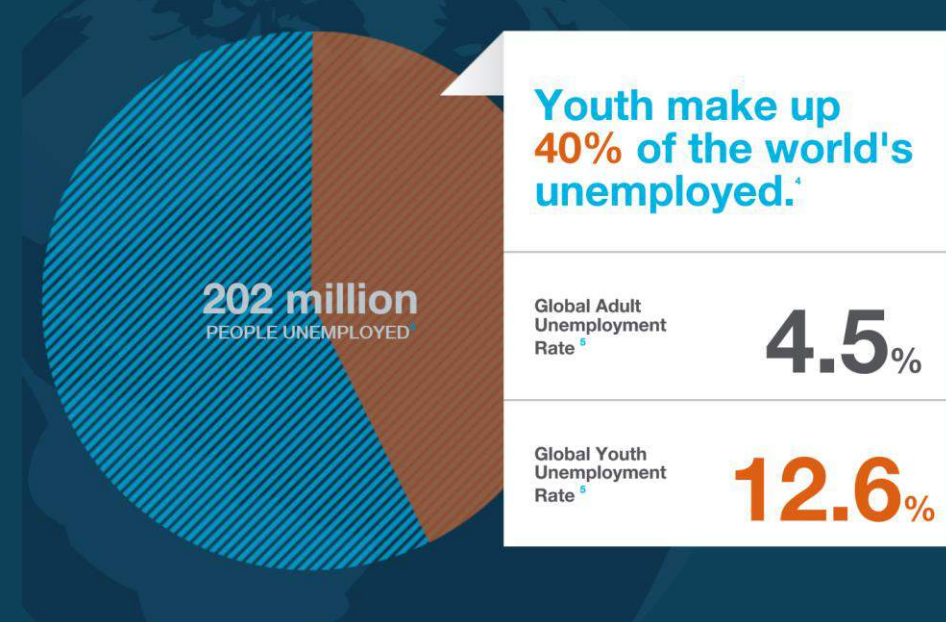
"In the new world of work, unemployment is high, yet skilled and talented people are in short supply."

*The Economist, September 2011*

## The Challenge of Youth Unemployment



## The Challenge of Youth Unemployment



"Fewest young adults in 60 years have jobs."

*Time Magazine, 2012*





Globally, job opportunities  
are shifting away from  
manufacturing economies ...

*Mass production*

*Standardized products*

*Manual labor or routine cognitive tasks*

*Hierarchical command and control*

*Highly integrated organizations*

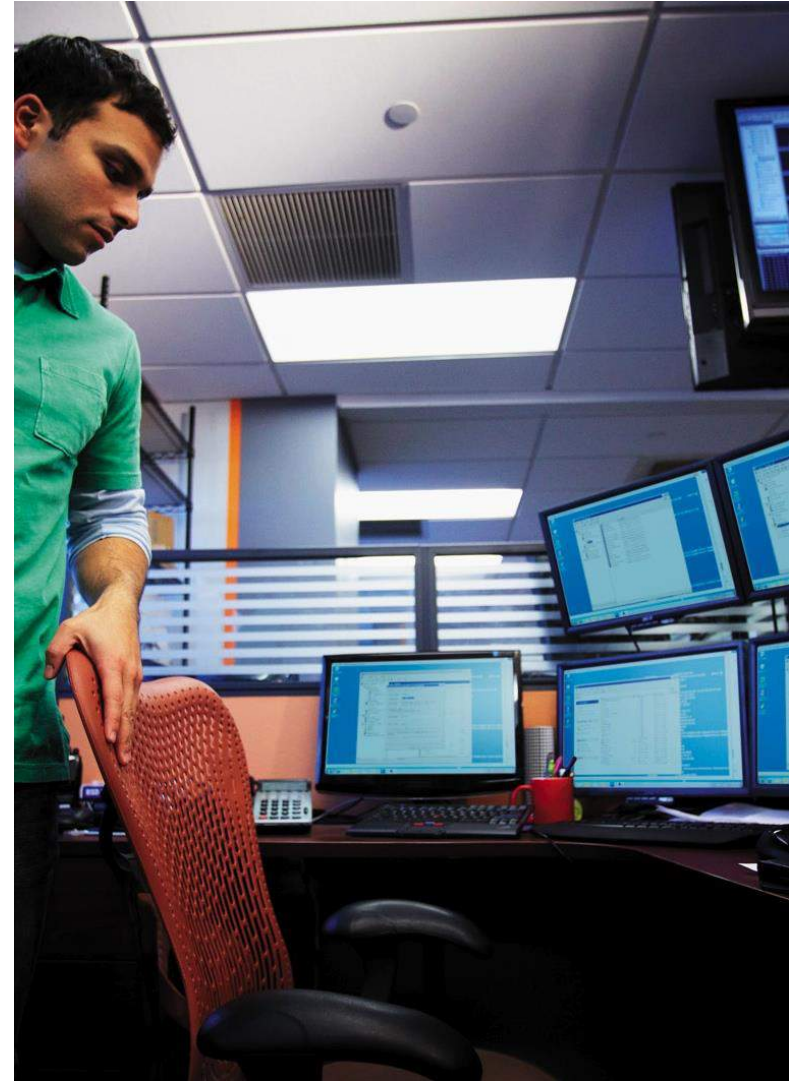
... to information economies

*Services largest sector of 25 largest economies*

*Information products & services show the  
most growth*

*Innovation and new knowledge are a major engine  
of economic growth*

*Accelerating transformation of vocational and  
technical occupations*

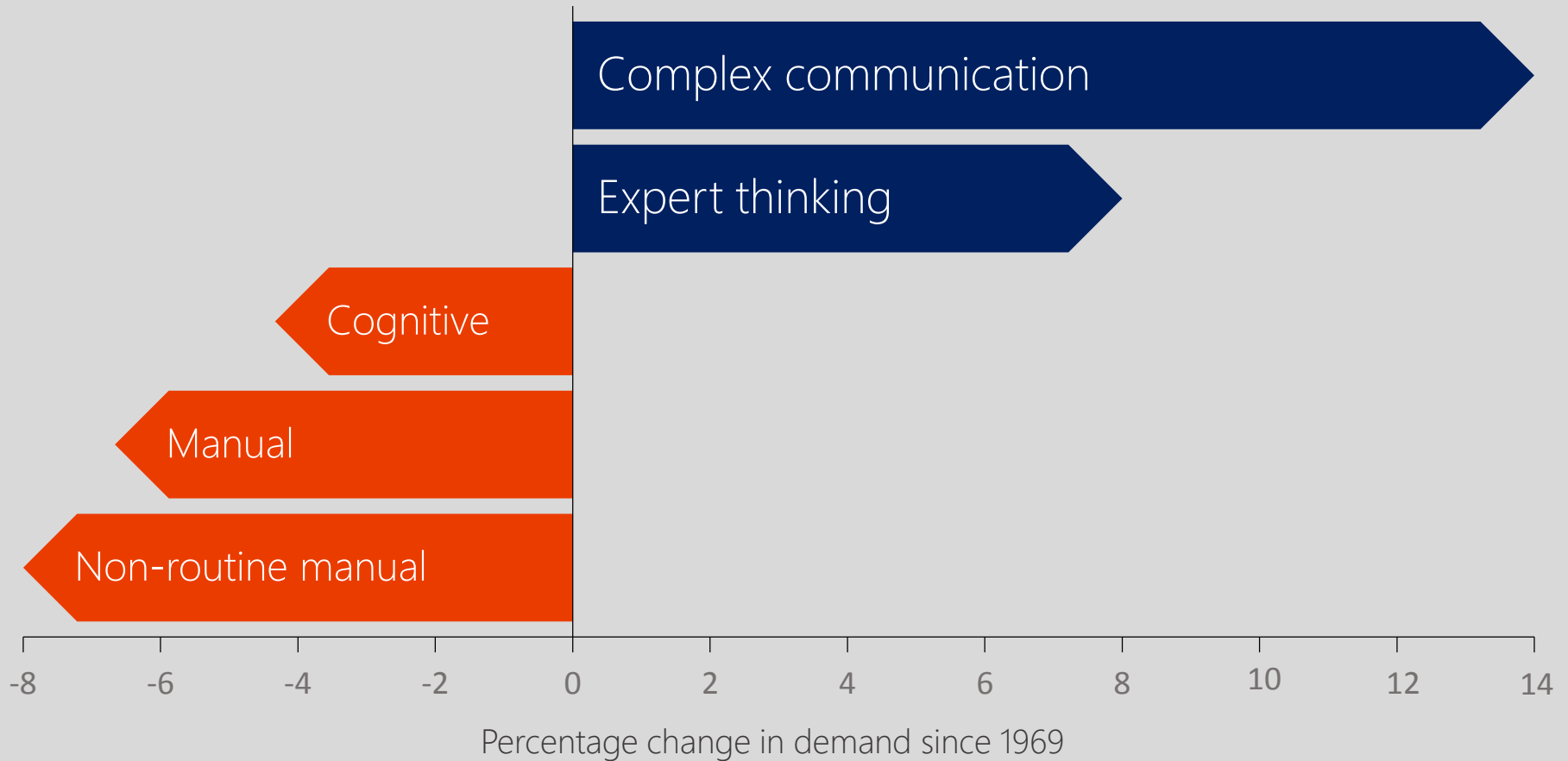




More than **50%**  
of today's jobs  
require some  
technology skills,  
that percentage will  
increase to **77%** in  
the next decade.

*IDC 2012*

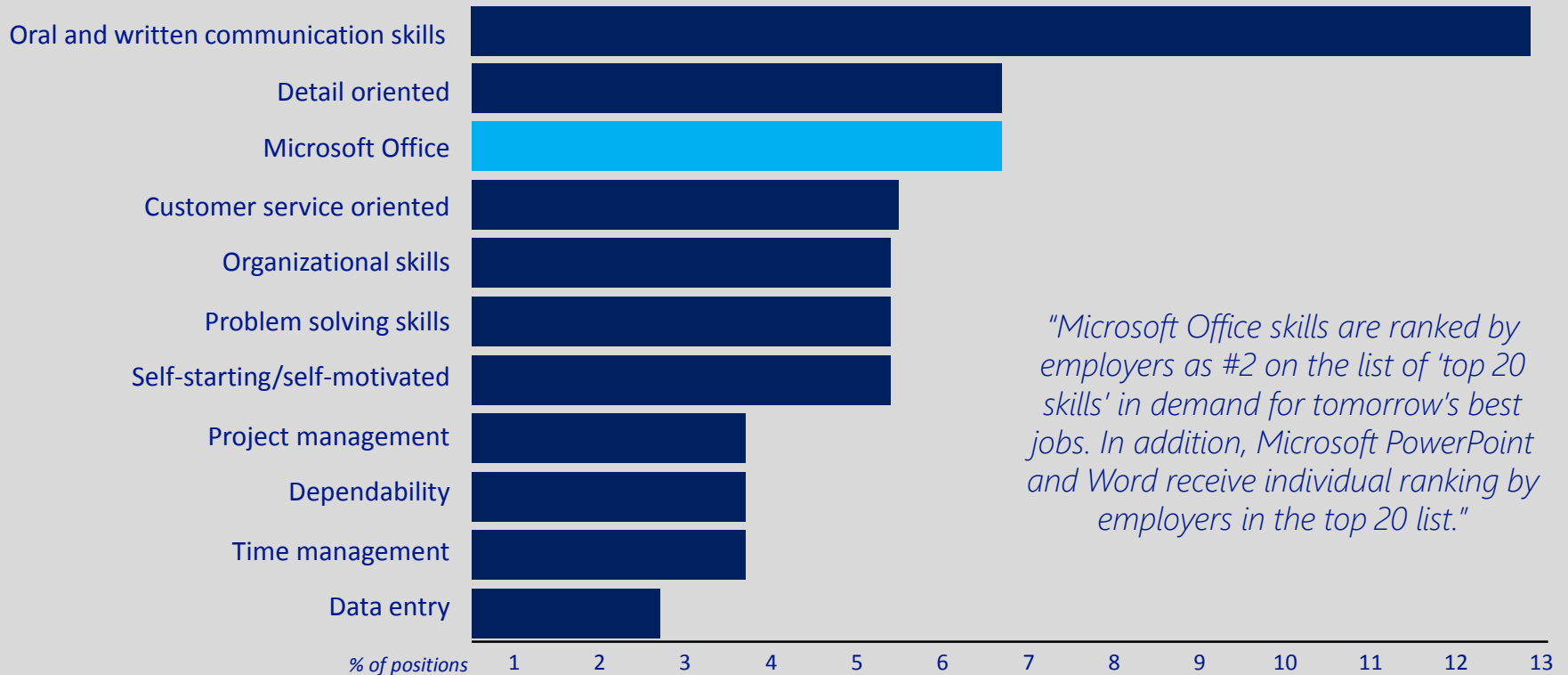
# SKILLS REQUIRED IN TODAY'S ECONOMY



Source: How computerized work and globalization shape human skill demands. Levy and Murnane, 2005

## THE CHANGING DEMAND ON EDUCATION

# SKILLS NEEDED FOR TODAY'S JOBS



Source: IDC, based on WANTED Analytics & U.S. Bureau of Labor Statistics data

## THE CHANGING DEMAND ON EDUCATION





WE MUST MOVE FROM A CULTURE OF LIFETIME  
EMPLOYMENT – THE OLD INDUSTRIAL MODEL-  
TO ONE OF LIFELONG EMPLOYABILITY.

TOM FRIEDMAN

Audience



Children In School



Youth Out Of School



Working Professionals

Programs

IT Academy  
Teacher Development  
DreamSpark  
MOS/MCE Certification

YouthSpark/Employability  
BizSpark/Start-Up  
4Afrika Internships  
MOS/MTA Certification

MPN Learning  
Microsoft Virtual Academy  
School of Government  
Biz4Afrika/Innovation  
MOS/MCP Certification

Technology

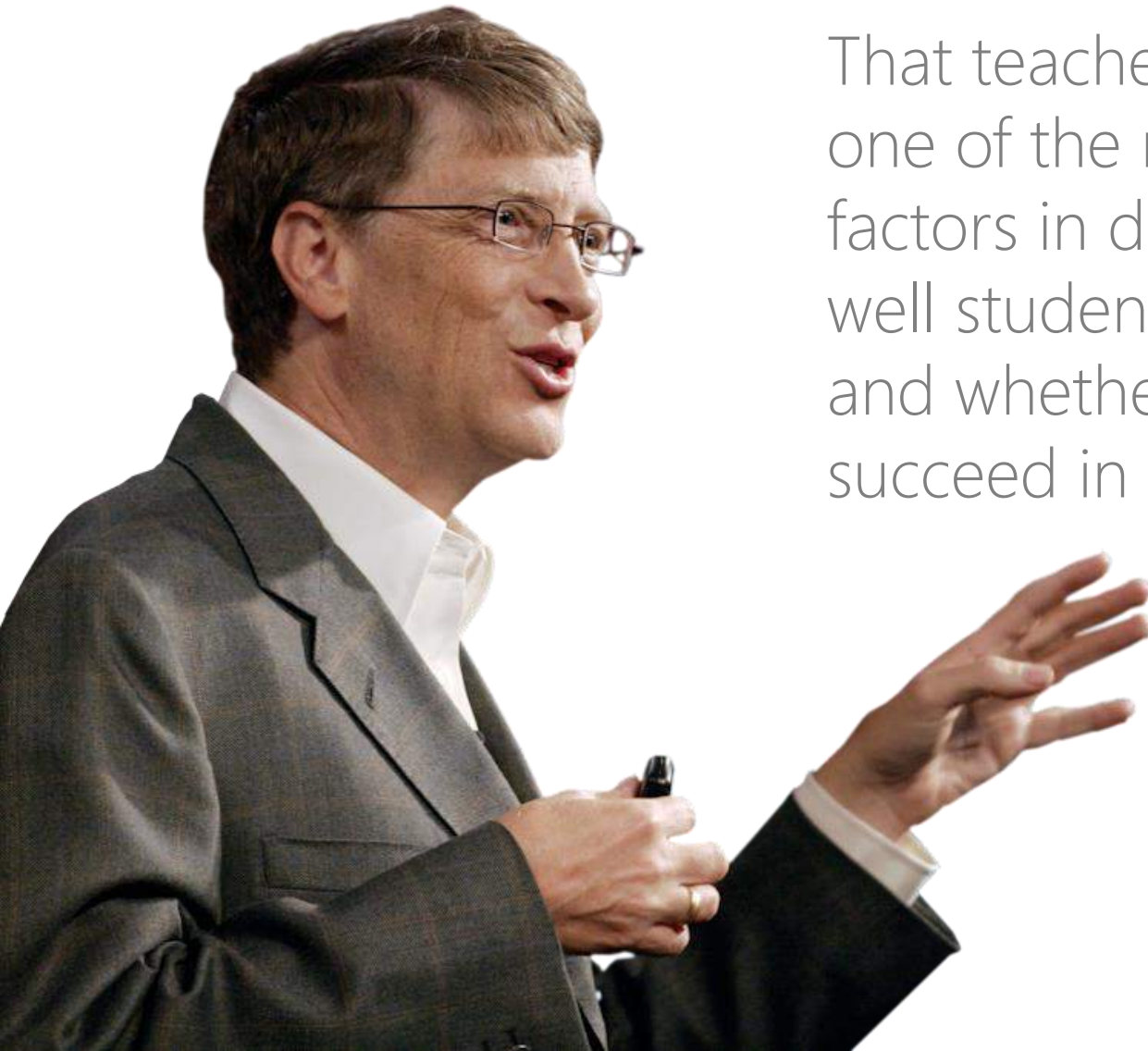
Innovative Productivity / Intelligent Cloud

Personal Computing / Smart Devices

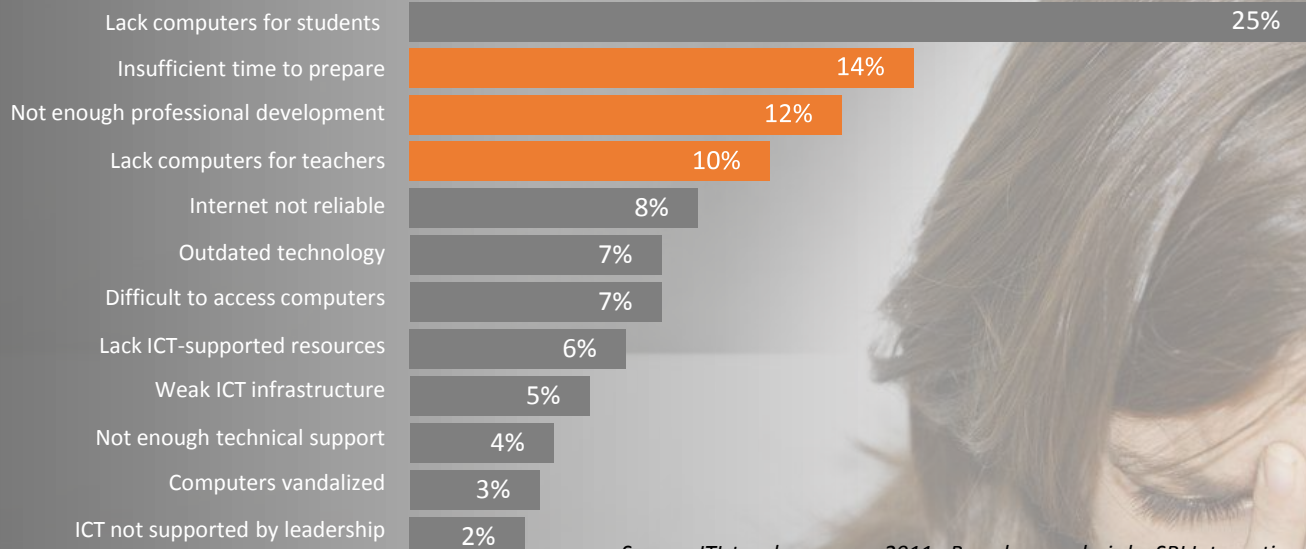
Affordable Broadband Access

LIFE-LONG LEARNING SECURES EMPLOYABILITY





“Research has proven what my own experience taught me: That teacher effectiveness is one of the most important factors in determining how well students learn and whether they succeed in school.”



Source: ITL teacher survey, 2011 Based on analysis by SRI International

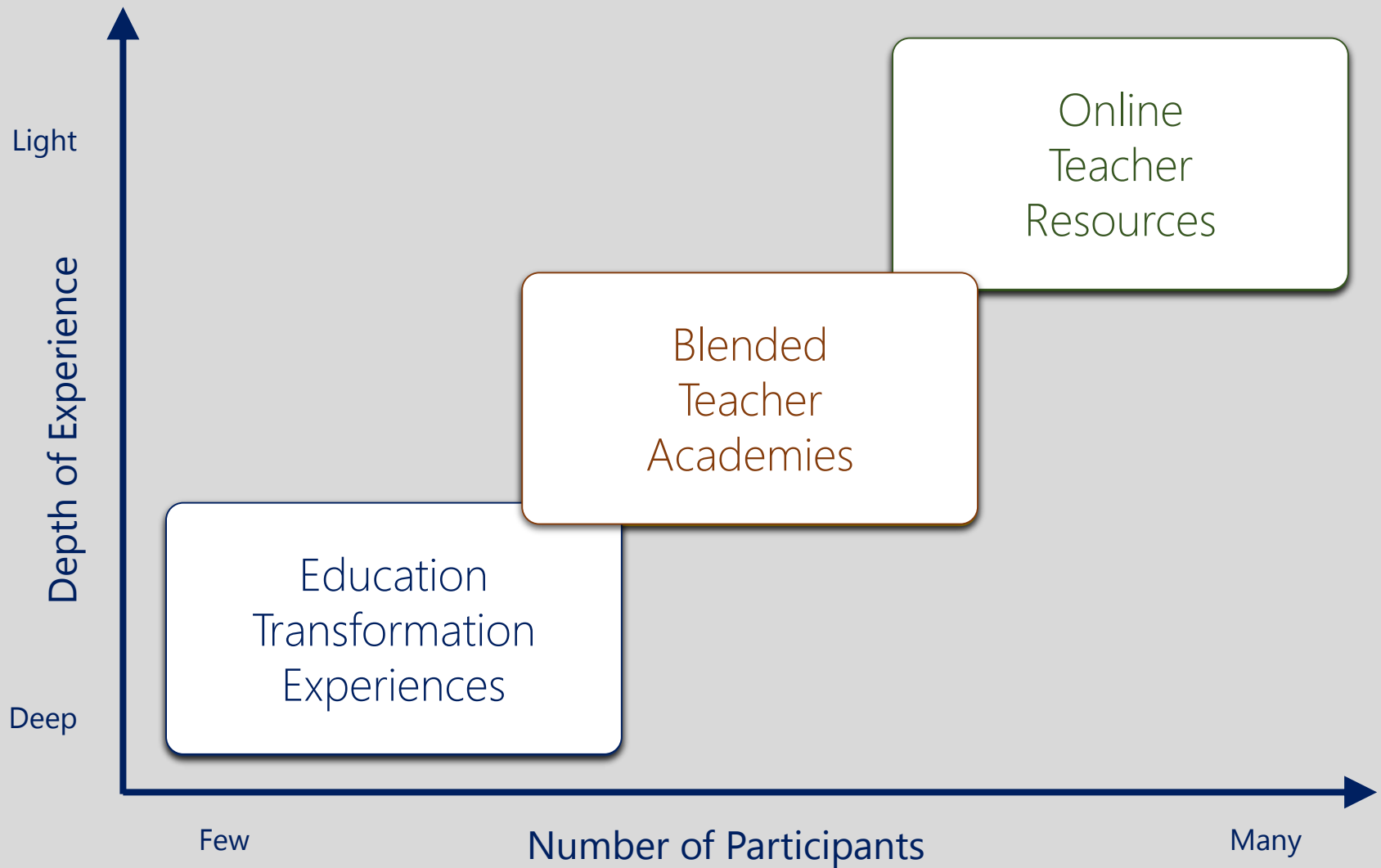
Easy access to  
technology

Locally relevant  
content & innovation

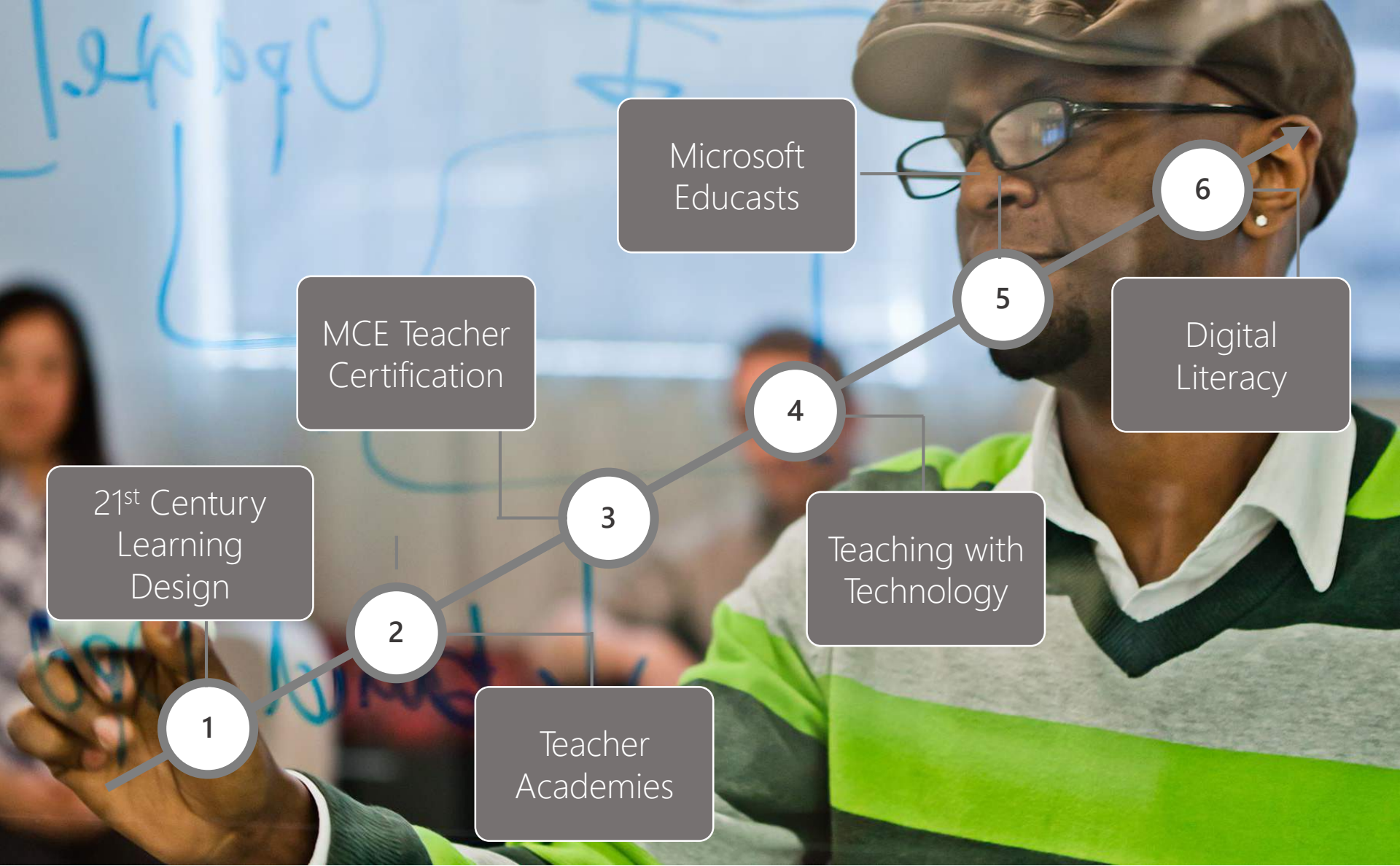
ICT readiness &  
professional skills

TEACHERS FACING NUMEROUS CHALLENGES





QUALITY PROFESSIONAL DEVELOPMENT AT SCALE

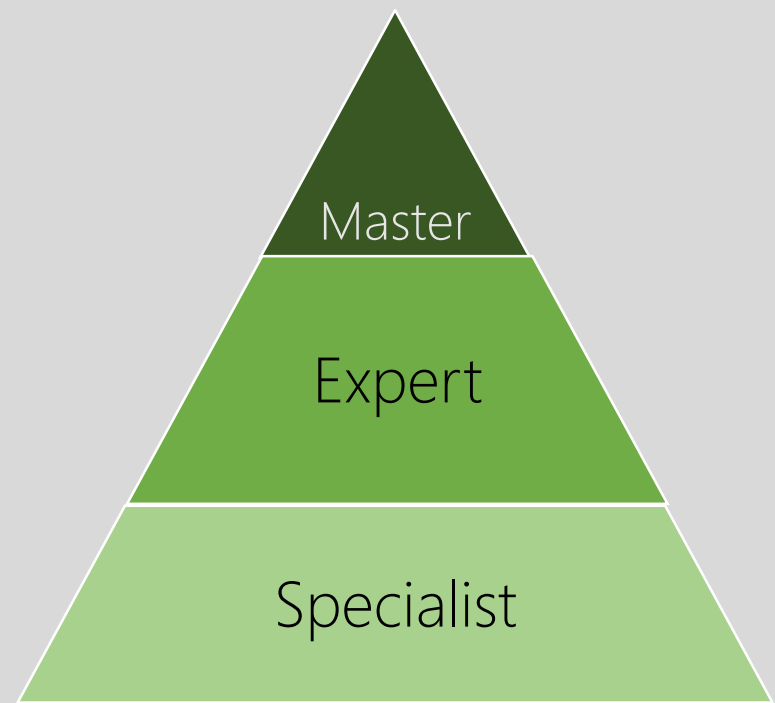
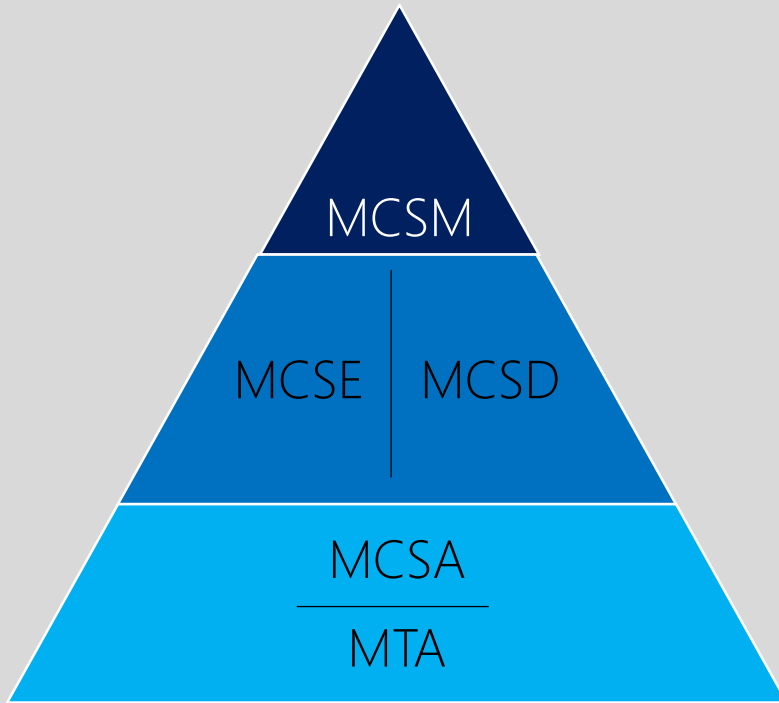


## PROFESSIONAL DEVELOPMENT FOR TEACHERS

technical

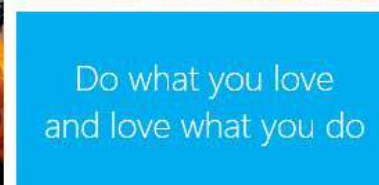
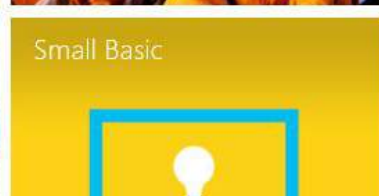
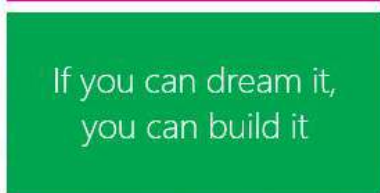
teaching

productivity



Digital Literacy

MICROSOFT CERTIFICATIONS GUARANTEE COMPETENCY



EMPOWERING YOUTH TO ACHIEVE MORE  
THROUGH TRAINING, EMPLOYABILITY & ENTREPRENEURSHIP OPPORTUNITIES





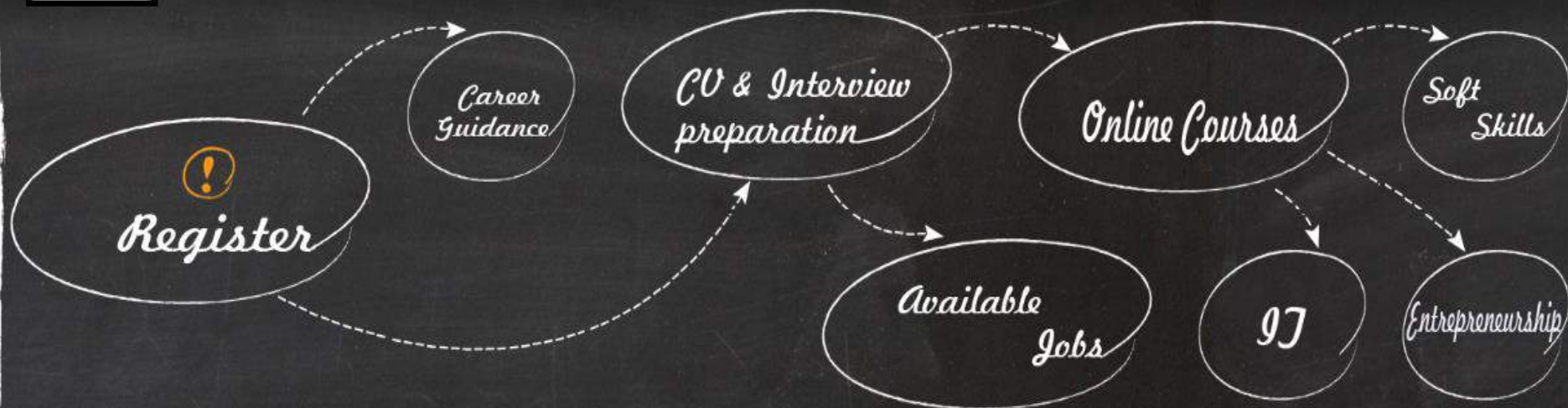
MY CAREER

LEARN ONLINE

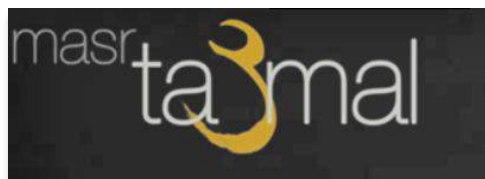
FIND A JOB

ENTREPRENEURSHIP

MEMBERSHIP



[www.tizaaworks.org](http://www.tizaaworks.org)



[masr.ta3mal.com](http://masr.ta3mal.com)

**TukoWorks**

[www.tukoworks.co.ke](http://www.tukoworks.co.ke)



[www.youthworkssa.co.za](http://www.youthworkssa.co.za)

YOUTHSPARK ADVANCES WORKFORCE DEVELOPMENT

[My Career](#)[Learn Online](#)[Find a Job](#)[Entrepreneurship](#)[My Community](#)[Membership](#)[عربي](#)

## Courses - Entrepreneurial Skills

[Number Of Readings \(Descending\)](#)[25](#)

26  
NOV

### Diploma in Business Management & Entrepreneurship

2014

ALISON's free online Diploma in Business Management & Entrepreneurship provides knowledge and understanding of the business environment.

[more](#)

26  
NOV

### Starting a Business or Social Enterprise - The Stone Soup Way

2014

This free interactive online course for Making Something from Nothing teaches you how to start a business or social enterprise.

for Making Something from Nothing



26  
NOV

### Critical Skills

2014

Jerry Kaplan is widely known as the author of the online course he explains why the 21st century teacher must be a learner.

online course he explains why the 21st century teacher must be a learner.



26  
NOV

### Entrepreneurship

2014

Entrepreneurship is the cornerstone of any modern economy. Everyday entrepreneurs around the world are starting their own business.

SEARCH

Microsoft Virtual Academy



# YOUTHSPARK GROWS SKILLS DEVELOPMENT



Great technology never stops evolving. Successful techies never stop learning.

Developers

IT Pros

Data Pros

Students

Database  
Administration

Database Development



Business Intelligence



Advanced Analytics



Big Data



Azure for Data Pros



SharePoint



Power BI



SQL Server

3.5M Learners

Industry  
experts

FREE

WWW.MICROSOFTVIRTUALACADEMY.COM

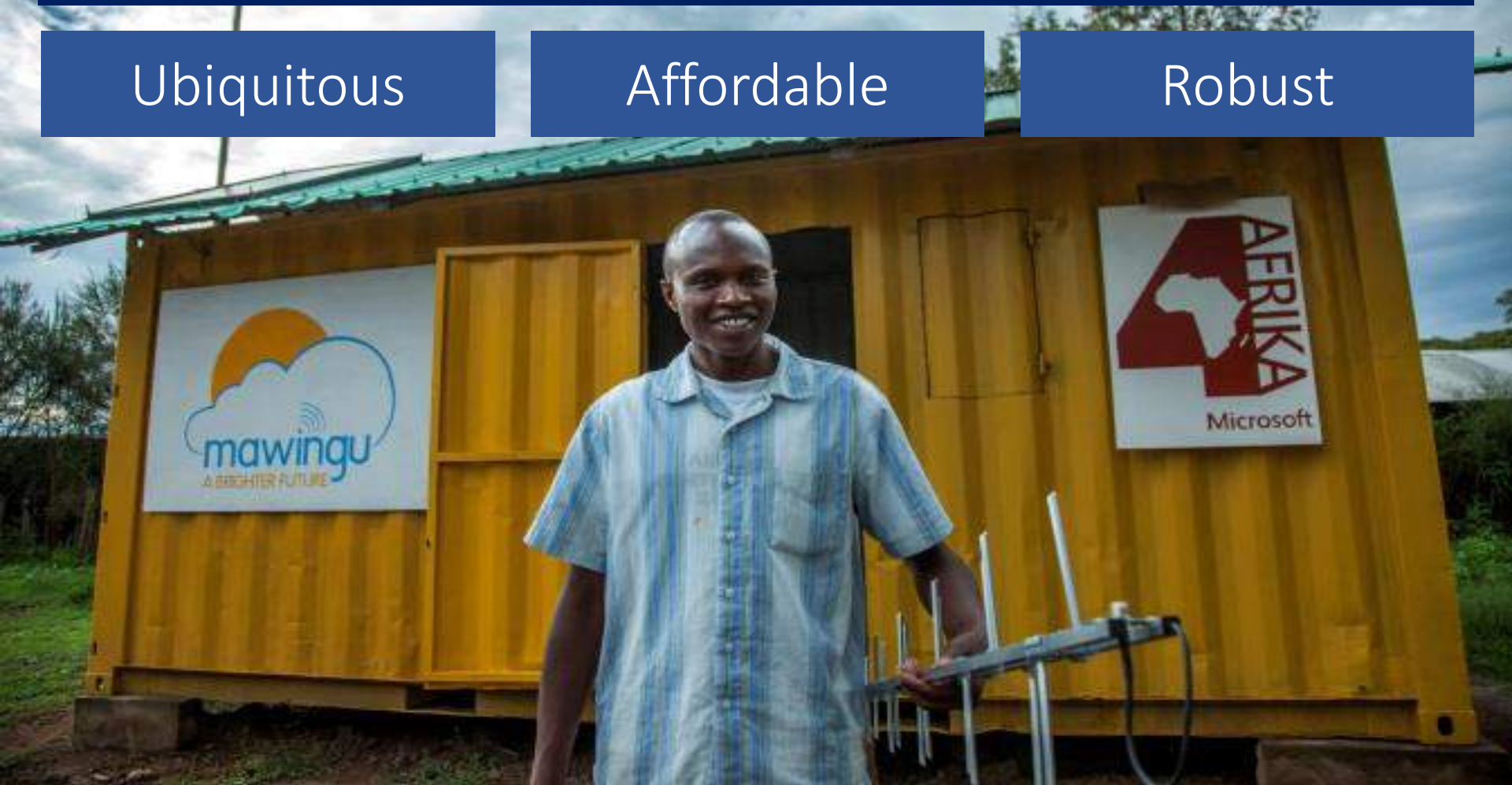


# *TV White Spaces* Wireless Connectivity

Ubiquitous

Affordable

Robust



AFFORDABLE, EFFICIENT BROADBAND ACCESS



# TVWS TRANSMISSIONS TRAVEL FASTER & LESS COSTLY



AFFORDABLE, EFFICIENT BROADBAND ACCESS

**BOTSWANA**

Health



**GHANA**

Education



**KENYA**

Edu, Health, SME, eGOV



Edu, SME, Energy

**NAMIBIA**



Education

**SOUTH AFRICA**

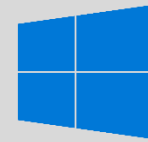


Education, SME

**TANZANIA**

**AFFORDABLE BROADBAND ACCESS IN AFRICA**





# Windows 10



Affordable devices & solutions



Safety and security



Simple to deploy and manage



One experience

One platform

One store

## SMART DEVICES FOR BETTER LEARNING OUTCOMES

# APPLYING MICROSOFT TECHNOLOGY ACROSS THE LEARNING TRAJECTORY

Think

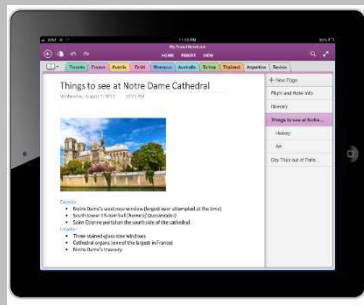
OneNote, digital pen

Express

Sway, OneNote

Collaborate & record

Office Mix, Skype, Yammer,  
OneNote Class & Staff Notebook



iPad & Mac



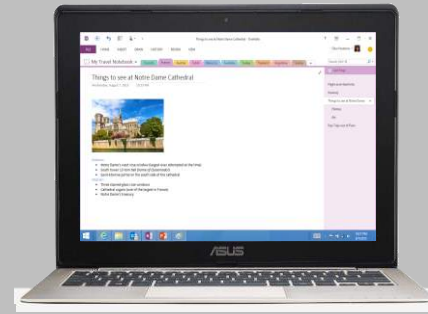
Windows Phone



iPhone



Android



PC and Web



Windows Store

MODERN PRODUCTIVITY & INTELLIGENT CLOUD



Audience



Children In School



Youth Out Of School



Working Professionals

Programs

IT Academy  
Teacher Development  
DreamSpark  
MOS/MCE Certification

YouthSpark/Employability  
BizSpark/Start-Up  
4Afrika Internships  
MOS/MTA Certification

MPN Learning  
Microsoft Virtual Academy  
School of Government  
Biz4Afrika/Innovation  
MOS/MCP Certification

Technology

Innovative Productivity / Intelligent Cloud

Personal Computing / Smart Devices

Affordable Broadband Access

LIFE-LONG LEARNING SECURES PROSPERITY

“We recently changed our mission statement at Microsoft to ‘empower every person and organization on the planet to achieve more.’

Last week, in Kenya, I had a firsthand opportunity to see this mission in action.”

Satya Nadella  
CEO Microsoft



[lziob@microsoft.com](mailto:lziob@microsoft.com)

