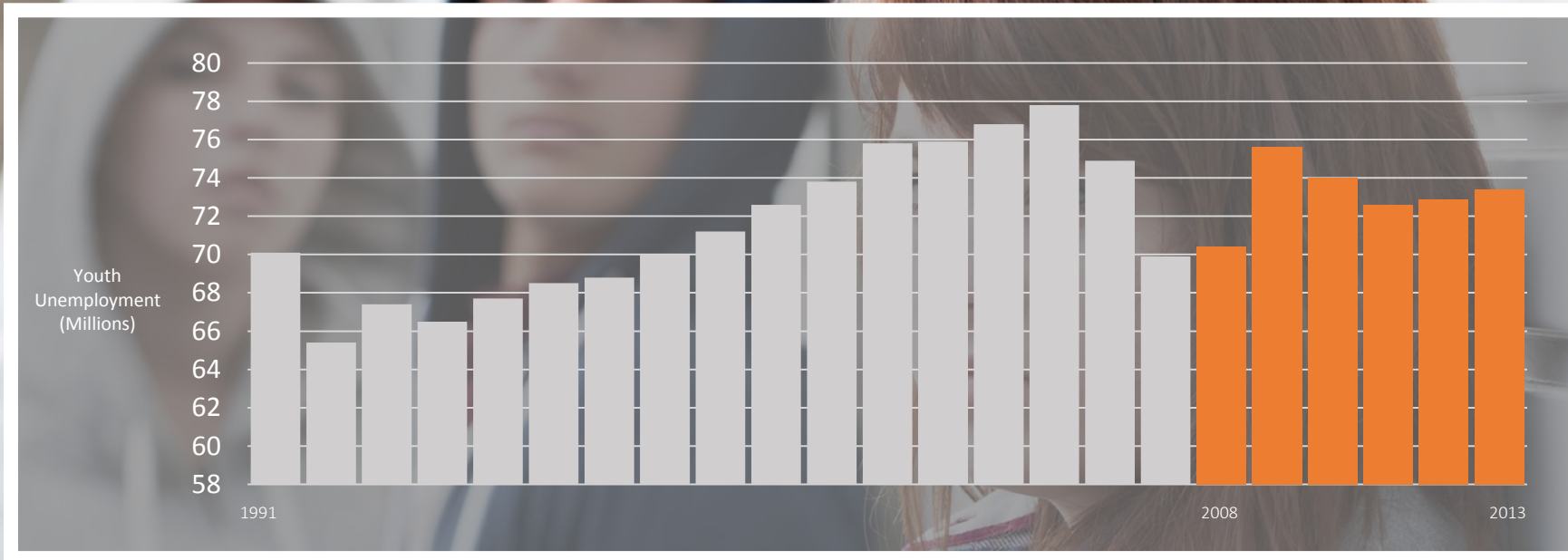




Microsoft in Education - Teacher Professional Development to enable Education Transformation

Warren H. A. La Fleur
Warrenlf@Microsoft.com
Edu. Industry Manager WECA

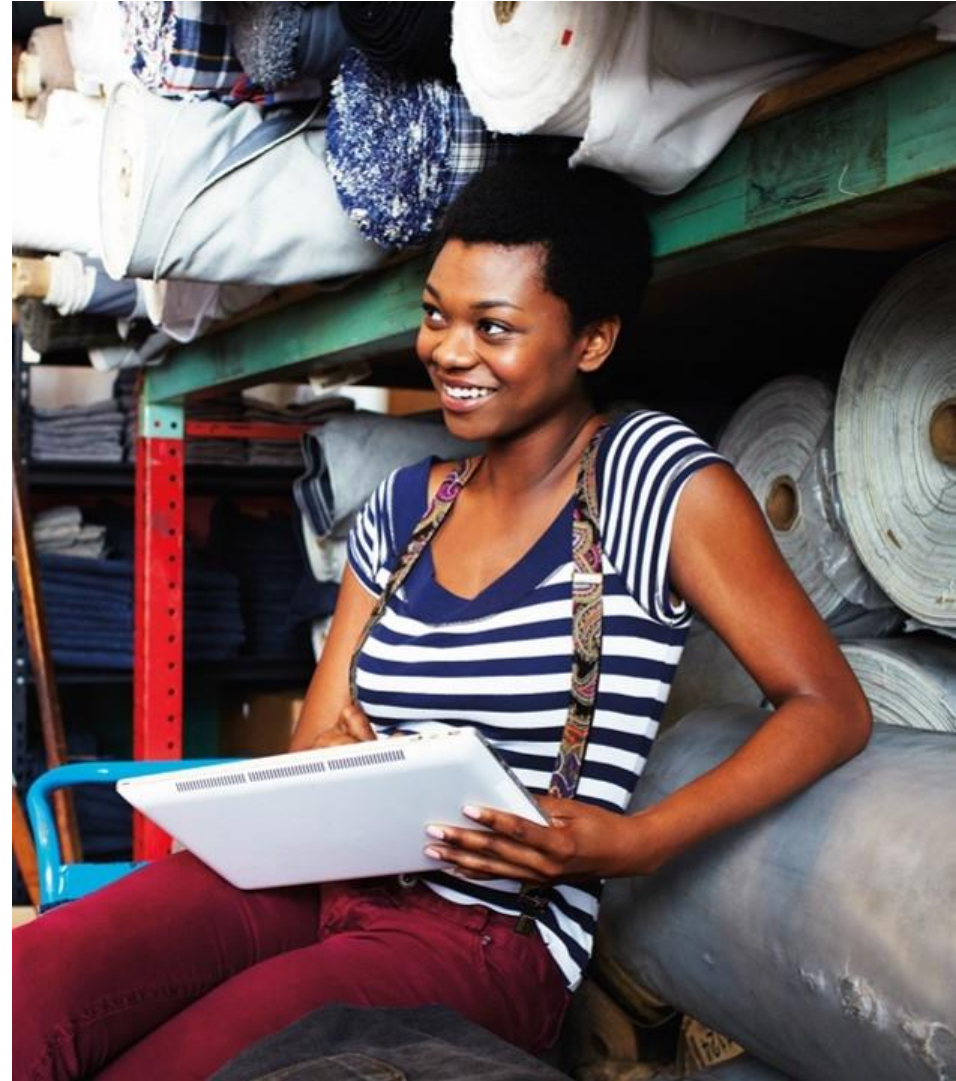


International Labor Office, Geneva

GLOBAL YOUTH UNEMPLOYMENT RISING AGAIN

The 2030 global workforce will contain a potential **surplus of 90-95M** low-skills workers and a **shortage of 45M** medium-skilled workers in developing countries."

*Skills for Employability in Africa and Asia,
ISESE Skills Synthesis Paper, October 2012*





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

IDC 2012

Employability Skills



The 10 Skills That Will Get You Hired In 2013

1. Critical thinking
2. Complex problem solving
3. Judgment and decision-making
4. Active listening
5. Computers and electronics
6. Mathematics
7. Operations and system analysis
8. Monitoring
9. Programming
10. Sales and marketing

	ECONOMY	TEACHER	STUDENT
20 th CENTURY	Manufacturing for mass market	Delivery of content and information; development of basic skills	Content and information consumption; practice of basic skills
21 st CENTURY	Designing knowledge-based products	Guiding students' creation of knowledge-based products; development of higher order skills	Creation of knowledge-based products; practice of higher order skills

ECONOMIC CHANGE AND THE LEARNING CHALLENGE

Modernize, reform, and
rethink schooling



Align technology to teaching,
learning and assessment
practices



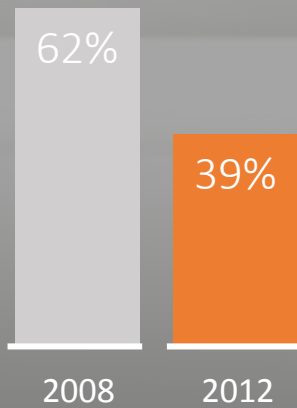
Make education more relevant
and better aligned to
community



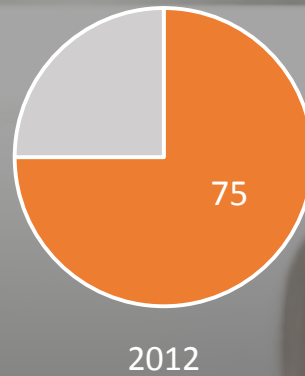
Account for workforce needs,
social trends, and innovative
teaching

EDUCATION LEADERS' IMPERATIVES

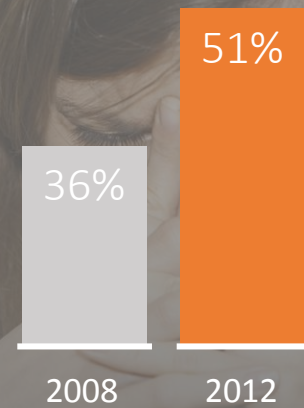
% of Teachers That Are Very Satisfied With Their Job



% of Principals Who Feel That Their Job is Too Complex



% of Teachers Feeling Under Great Stress Several Days a Week



Met Life Teacher Survey 2012 (US)

EDUCATORS ARE **FEELING PRESSURED**

Percentage of students that love school by grade

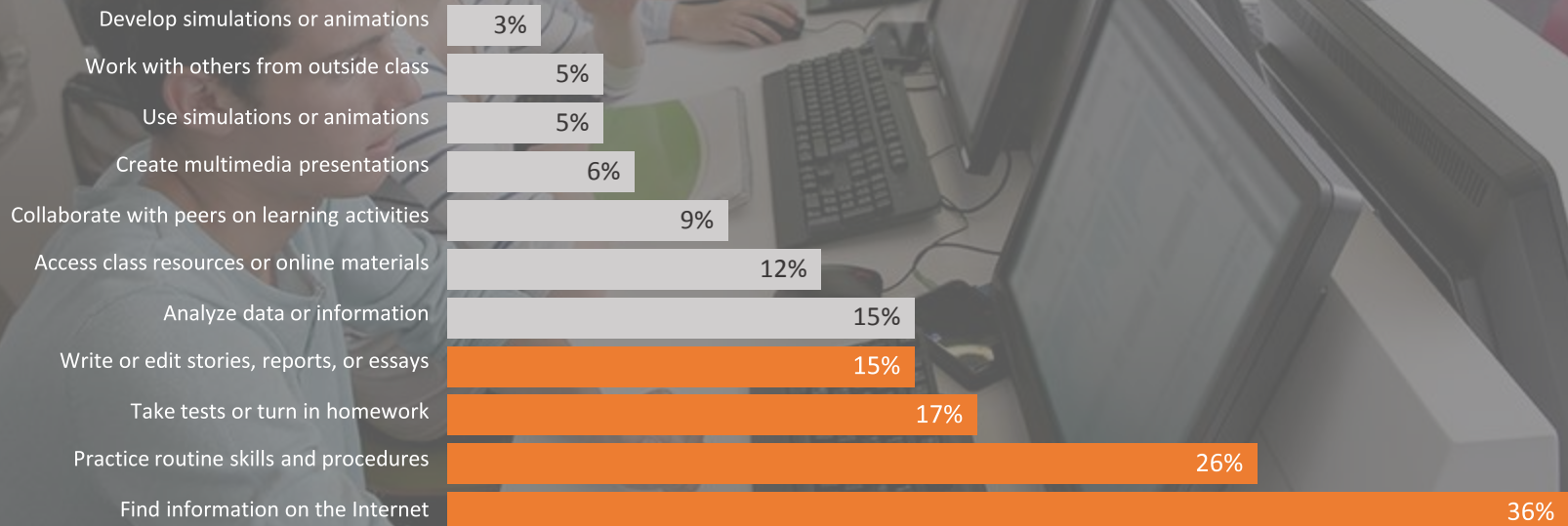


Lee Jenkins: School Administrator May 2012. Reversing the Downslide of Student Enthusiasm

STUDENTS ARE OFTEN **DISENGAGED**



TECHNOLOGY ALONE IS NOT THE SOLUTION



Source: ITL teacher survey, 2011

Based on analysis by SRI International


ICT MOSTLY USED FOR **BASIC TASKS IN CLASSROOM**



“ Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important. ”



INNOVATIVE TEACHING IS CRITICAL

A photograph of a teacher and a young student looking at a tablet together. The teacher is on the right, pointing at the screen, and the student is on the left, looking intently. The image is overlaid with a semi-transparent white box containing three orange circles with text.

Student-centered Pedagogies

Personalized
Collaborative
Knowledge
building
Self-regulation

Extending Learning

Problem Solving
24/7 learning
opportunities
Global and
cultural
understanding

ICT Integration

By educators
By students
Basic usage vs.
Higher-level
usage (for
knowledge
building and
creativity)

WHAT ARE INNOVATIVE TEACHING PRACTICES

PD Curriculum	Microsoft Digital Literacy	Teaching with Technology	21 st Century Learning Design	Peer Coaching	Technology Enriched Instruction (HE)
Other Learning	Microsoft in the Classroom	Expert Education	Microsoft Educast Webinars	IT Academy	Microsoft Education Network

COMPREHENSIVE PROFESSIONAL DEVELOPMENT to enable Innovative Teaching



Digital Literacy

Learn the basics about using computers, the internet, productivity programs, and security and privacy.

Duration: Varies
Available in English

[Learn More](#)



Teaching with Technology Basics

Get inspired and begin to explore how ICT integration can enhance teaching and learning for you and for your students.

Duration: Up to 3 hours
Available in

[Learn More](#)



21st Century Learning Design

Learn how to evolve your lesson plans to build and assess your students' 21st century skills using these rubrics.

Duration: Varies
Available in English

[Learn More](#)



Teaching with Technology

Teaching with Technology helps educators develop a deeper understanding of how ICT integration can enhance the teaching and learning experience.

Duration: Up to 36 hours
Available in

[Learn More](#)



Windows 8 in the Classroom

Learn how Windows 8 is making learning personal, connecting students and teachers in entirely new ways, and delivering an immersive learning experience.

Duration: Up to 20 minutes
Available in English

[Learn More](#)



Windows in the Classroom

See how technology enables personalized learning, real-time student feedback, and increases educator productivity.

Duration: Up to one hour
Available in English

[Learn More](#)

COMPREHENSIVE PROFESSIONAL DEVELOPMENT

Digital Literacy

Digital Literacy Home
Getting Started
Access the Curriculum
Access Instructor Resources
Case Studies
Frequently Asked Questions
Display Your Personalized
Digital Literacy Certificate



Microsoft® Digital Literacy

Welcome to the Microsoft Digital Literacy curriculum.

Build Your First App!



Microsoft Digital Literacy
presents

Build Your First App

38%
COMPLETE
My Progress



Build and publish apps – complete with physics, sprites, and touch. Learn basic programming concepts and skills by creating scripts on the TouchDevelop web site.

[Launch "Build Your First App" course](#)

(Requires broadband connection.)

www.microsoft.com/digitalliteracy

New Courses Available!

Computer Basics: Learn the fundamentals of computing, the components of a computer, operating system basics, and how to use a mouse and a keyboard.

[Launch "Computer Basics" course](#)

(Requires broadband connection.)



The Internet, Cloud Services, and World Wide Web: Learn how to connect to people, information, and resources around the world, using Web sites, search engines, and e-mail programs.

[Launch "Internet, Cloud Services, and WWW" course](#)

(Requires broadband connection.)

Productivity Programs: Games, demos, and interactive guides help you quickly learn the basics of word processing, spreadsheets, presentations, and databases.

[Launch "Productivity Programs" course](#)

(Requires broadband connection.)



Computer Security and Privacy: Identify and protect your computer and data from threats, and learn the ethical and legal issues related to Internet usage.

[Launch "Computer Security and Privacy" course](#)

(Requires broadband connection.)

Digital Lifestyles: Learn how new digital technologies like smart phones and digital cameras are creating new career opportunities and shaping the world we live in.

[Launch "Digital Lifestyles" course](#)

(Requires broadband connection.)



DIGITAL LITERACY BASIC COMPUTER AND PRODUCTIVITY SKILLS



Teaching with Technology

Overview

My Learning

Educator Benefits

Microsoft Certified Educator Exam

Learn to Integrate Technology

The Teaching with Technology (TwT) curriculum is designed to help educators understand how Information and Communication Technology (ICT) can enhance the teaching and learning experience and enable students to acquire 21st century skills. Among **many benefits**, Teaching with Technology is free, aligned with the UNESCO ICT Competency Framework for Teachers, and self-paced (log back on at any time to pick up where you left off).



Total Time Varies
 Contains 6 Courses
 Qualifies for badge
 Language English [\(change\)](#)

www.pil-network.com


Partners in Learning: Technology Literacy Teacher Competencies | Self-Assessment - Windows Internet Explorer
 https://itacademy.microsoftlearning.com/courseAccess/coursePlayer.aspx?courseId=394781&topicId=764670

technology literacy teacher competencies | self-assessment

Print

Technology Literacy Teacher Competencies Self-Assessment	Further Learning Recommended	Further Learning Optional
Demonstrate Understanding of the Technology Literacy Goals Described in the CFT Framework		
Identify the policy goals supported by the CFT framework.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identify CFT and its approaches.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identify the target student outcomes that result from implementing a CFT-supported learning experience.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Demonstrate Basic Knowledge of How ICT Resources Can Support Curriculum Outcomes.		
Given a curriculum goal, identify appropriate ICT resources and skills required to use ICT resources.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Given a scenario, evaluate and select an ICT instructional resource.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Given a scenario, evaluate and select an ICT assessment resource.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Select an appropriate computer-based tool to monitor and share pupil performance data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Teaching with Technology - SELF ASSESSMENT AND INDIVIDUALIZED LEARNING

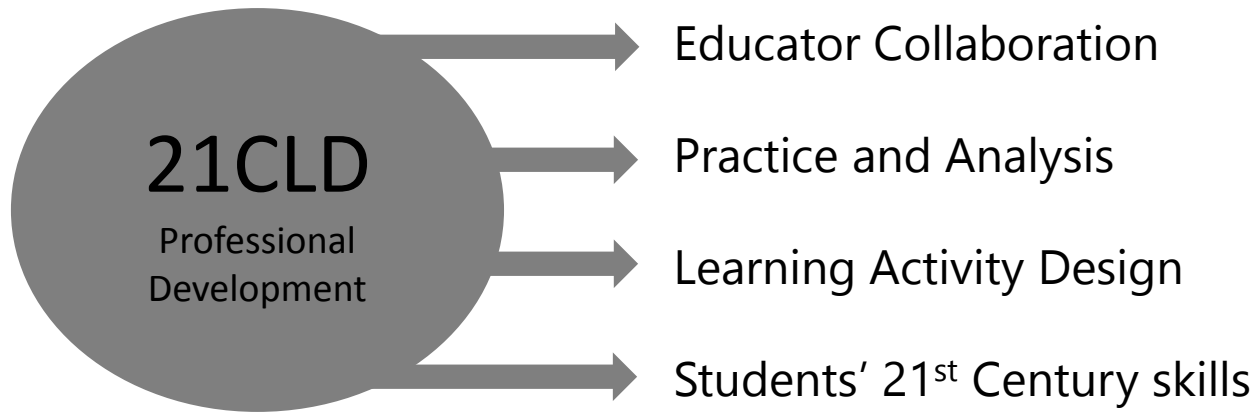


Competency-based, valid and reliable assessment
Mapped to UNESCO ICT CFT, Technology Literacy
Approach

Does not measure technology skills, but rather
ability to apply those skills in teaching and learning
context

[IT Academy](#)

MICROSOFT CERTIFIED EDUCATOR (MCE) – Delivered
through **IT Academy**



21st CENTURY LEARNING DESIGN



PEER COACH - SKILL DEVELOPMENT

Example - Morocco



- 100 ITAs deployed at Public Vocational School system
- Certs mapped into 4 curriculum paths
- 18.000 students certified since June '12
- Scope: 60K students over 4 years



- 137 ITAs deployed for Teacher & Inspector training in K-12
- 500 Master Teachers trained & certified since December '13
- Scope: 75K teachers in 1st phase, 300K over 4 years



- 12 ITAs deployed at Higher Education Institutions
- 3 Univ in place now
- 100 Master Teachers trained & certified
- Scope: 12.000 MS Certifications, incl. CRM & ERP

Thought leaders in innovative learning with technology who want to amplify their reach and voice



MICROSOFT EXPERT EDUCATORS

Scaling Professional Development Microsoft Virtual Academy (MVA)

The screenshot shows the Microsoft Virtual Academy website. At the top left is the Microsoft logo. To the right, it says "United Kingdom" and "Sign in". Below the logo is a navigation menu with "Home", "Courses", "Live Events", "Top Students", and "Help". The main banner features the text "MVA Elevate yourself. Lift your dev skills with Microsoft. Watch Now!" over an image of three people in a living room. On the right side, there are two event cards: "Deep Dive: Integrate Office 365 APIs in Your Mobile Device Apps" (October 22, 2014) with 1 day until the live event, and "Last Stop: Getting Your Windows App to Market" (October 23, 2014) with 2 days until the live event. Both cards have a "Register Now" button. Below the banner, it says "Free Microsoft Training Delivered by Experts".

Over 2.4M Learners
Registered Globally

Hundreds of
courses; thousands
of training hours

Cloud-based
solution; real-time
and on-demand

Totally free

Microsoft Virtual Academy 4Afrika



Microsoft Virtual Academy Courses Live Events My Dashboard Top Students Help



Learn Better, Teach Better with Office 365

Connecting your learning to your life with Office 365
April 3, 2014
[Register now!](#)



Teaching With Technology

An education course that helps educators make the most of technology in their classrooms or lecture halls.



Start your own Business

Gain the right help and advice for taking the plunge and starting your own business.

[Learn More](#)



Grow your own Business

Build your business on a strong foundation with practical advice and help from local experts.

[Learn More](#)



Accelerate your own Business

Discover how to grow your business with insights and real-world guidance from African entrepreneurs.

[Learn More](#)



“For the first time we are preparing learners for a future we cannot clearly describe.”

David Warlick
Education Technology Expert

Thank you