

Curriculum, Certification and Employability for HS Grads

David Tapang, Education Lead, Microsoft Philippines



Value of skills

Technology is everywhere...

50% of today's jobs require some degree of technology skills.

Experts say that percentage will increase to **77%** in the next decade.¹

Growth: 14M

estimated new jobs worldwide by 2015 due to spending on public and private IT cloud services.²

GAP: 25%

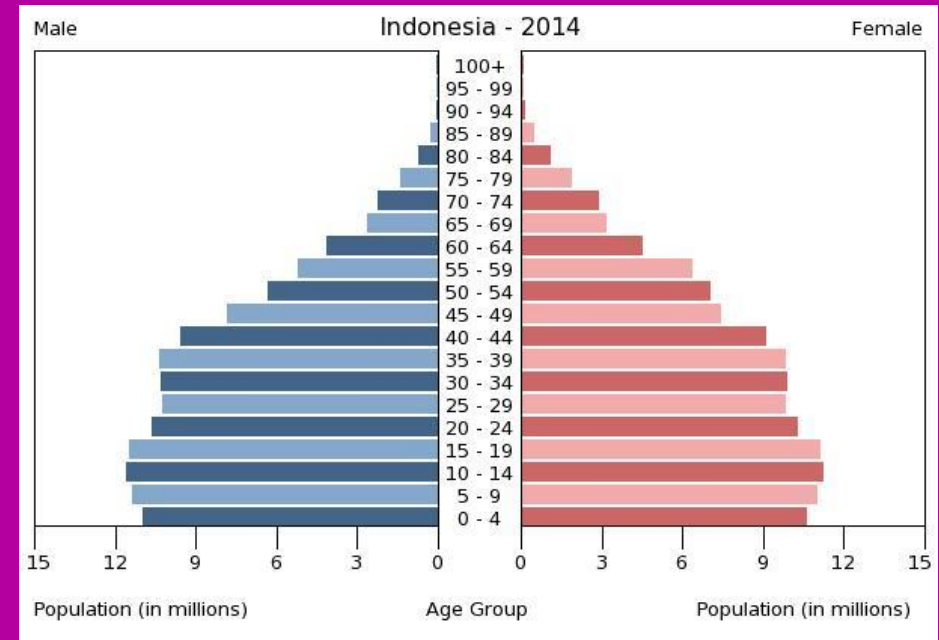
of IT opportunities worldwide went unfilled because of lack of training or experience in 2012.³

JOB:

5.0M Baby's P/A
94 M: age 0 -20



Indonesia



 32% of IT executives say they plan to increase head count in the next 12 months¹

Companies Want to Hire IT Skills...

 6M NEW IT jobs around the world by 2022²

Where the Opportunities Are



Data to grow
44x over the
next decade¹



\$107B in 2017
Public IT Cloud
Services²



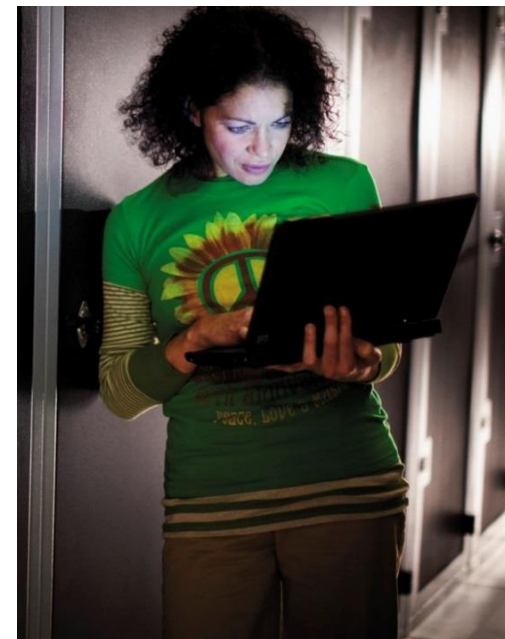
4.3 connected
devices per adult



50+% of internet
connections are
things³



20% of enterprises
will require multi-
factor authentication⁴



Jobs in demand by technology

Google



CISCO

Microsoft

Singapore	787	283	866	10989
Kuala Lumpur	112	255	77	1170
Sydney	755	653	322	3012
Jakarta	136	153	65	998
Tokyo	334	353	2114	2499
Bangkok	292	74	102	3559
Mumbai	1056	163	516	2734
Beijing	341	2441	554	2760
Manila	258	62	246	2745
Seoul	280	32	215	1557

BPO's fueling growth in Philippines.

ITBPAP Targets:

- 1.21M employed.
- \$25B in Revenues.
- 100% require IT skills.

Philippine BPO Industry Set to Meet Employment Target



The Information Technology-Business Processing Outsourcing (IT-BPO) Industry of the Philippines is on a clear path to reach its 1.21 million employment target this year.

AUTHOR

janby.teodoro

POSTED

June 25, 2015

ASEAN bpo
outsourcing
philippines bus
process
outsourcing
Business aec
economy philippine

How do you create employable IT graduates?

- Choose & Align the Content
 - IT content as a course.
 - IT content throughout all subjects to build skills.
- Prepare the Teachers
 - Skills development and sharing.
 - Validation and Certification.
- Facilitate the Learning
 - Interactivity
 - Engaging content ensures high learner relevance and engagement.
 - Immersion
 - Learning by doing.
 - Collaboration and learning by others.
 - Validation and Certification
 - Globally accepted certification standards.

We've been working on some things.

IT Academy Computer Science:

Interactive, immersive experiences leading to readiness for college and careers

Interactive Experiences



touchdevelop

Immersive Learning



Specialized Skill Validation

Microsoft Official
Academic Course

Microsoft
Technology Associate

Advanced Placement
Curriculum

Advanced Placement
Computer Science Exams

Elements of Computer Science

Programming basics and building blocks introduced bit-by-bit by fixing fun apps and games in an interactive web environment.

Computer Science Core Concepts and Skills

Engaging, immersive learning in full academic courses covering the whole range of programming fundamentals via in-class or independent study.

Computer Science for College & Career Prep

A curriculum framework covering computer science topics to prepare for college and/or careers.



Skill-validating exams and certification recognized by college and career recruiters.

IT Academy Computer Science: Interactive Experiences

Interactive Experiences



Immersive Learning



Specialized Skill Validation

Microsoft Official
Academic Course

Microsoft
Technology Associate

Elements of Computer Science

Programming basics and building blocks introduced bit-by-bit by fixing fun apps and games in an interactive web environment.

Optimized for students of early adolescent age studying in early secondary grades.

Hour of Code with TouchDevelop

Level: 100

Length: 1 hour | Delivery: TouchDevelop + Video On Demand (VOD)

A one-hour independent study course that interweaves instructional video with hands-on, guided practice in writing code, tasking students to fix a broken mobile computer game.

AVAILABLE NOW!

Dream it, Make it Classroom Extension for Hour of Code with TouchDevelop

Level: 100

Length: 5 hours | Delivery: TouchDevelop + Instructor

Five-hour instructor-led course that transforms the classroom into a game development start-up. Students collaborate to create and publish a fully playable game.

AVAILABLE NOW!

CODExist: The Birth of Bot

Level: 100

Length: 8 hours | Delivery: TouchDevelop + Video on Demand (VOD)

Eight-hour modular VOD course that walks students through building a mobile game from scratch using TouchDevelop. Assignments are suitable for homework or flipped classroom environments.

AVAILABLE NOW!

CODExist: Bot Levels Up

Level: 100

Length: 3 hours | Delivery: TouchDevelop + Video on Demand (VOD)

Three-hour modular VOD course that walks students through adding new elements to a game such as animations and using the cloud

AVAILABLE

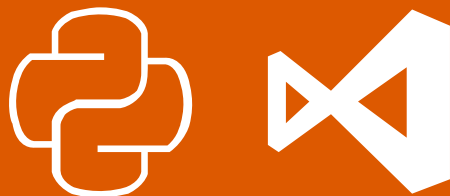
IT Academy Computer Science: Immersive Learning

Interactive Experiences



touchdevelop

Immersive Learning



Specialized Skill Validation

Microsoft Official
Academic Course

Microsoft
Technology Associate

Computer Science Core Concepts and Skills

Engaging, immersive learning in full academic courses covering the whole range of programming fundamentals using Python, TouchDevelop, and Visual Studio.

Optimized for students of early-to mid-adolescent age studying in secondary grades.

Full-term survey course:

Creative Coding through Games and Apps

A first-course introduction to programming

Length: 30 – 90 class hours (6-18 academic weeks) |

Delivery: TouchDevelop + Instructor

Students gain hands-on experience in designing, programming, and publishing mobile apps and games. Flexible curriculum suitable as independent study or an instructor-led, in-class experience completed in 6, 9, 12 or 18 weeks.

AVAILABLE AUGUST 2015!

Short, topical course:

Introduction to Programming with Python

Level: Advanced beginner

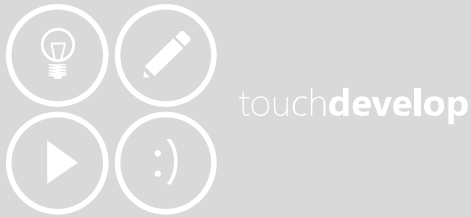
Length: 16+ hours | Delivery: VOD + Python, Visual Studio

Fast-paced independent study course for students naturally curious about programming. Students learn universally-applicable fundamentals using Python and Visual Studio.

AVAILABLE NOW!

ITA Computer Science: Readiness for college and/or careers

Interactive Experiences



Immersive Learning



Specialized Skill Validation

Microsoft Official
Academic Course

Advanced Placement
Curriculum

Pass any one
exam to earn

Microsoft
Technology Associate

Entry to advanced
certifications

Microsoft
CERTIFIED
Solutions Developer

Prepare to pass Advanced
Placement Computer Science exams

Microsoft Academic Official Courses (MOAC)

Premium eBooks, lab manuals, and instructor resources to plan, prepare, and teach courses for Microsoft certification preparation. MOAC classes may be taught in 6-to-16 week terms.

MOAC for MTA in Computer Science:

Software Development Fundamentals

Addresses core programming principles; object oriented programming; web applications; desktop applications; and databases in preparation for MTA exam 98-361.

AVAILABLE NOW!

HTML5 Application Development Fundamentals

Addresses management of the application life cycle; building the user interface using HTML5; formatting using CSS, and understanding JavaScript in preparation for MTA exam 98-375.

AVAILABLE NOW!

Advanced Placement Curriculum

Learn how to program, think methodically and solve problems effectively while preparing to pass College Board Advanced Placement exams

CS50 for AP Computer Science Principles

Year-long curriculum mapped to the new AP Computer Science Principles exam. Building on the broadly popular CS50 undergraduate course at Harvard, this course is pivoted for secondary students to focus on how to think algorithmically and solve problems efficiently using computational thinking Topics include abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development content.

AVAILABLE August 2015

Java Programming Fundamentals

12 online activities to introduce or review AP CS Java programming topics. Students complete Office Mix lessons with interactive Code Hunt challenges by writing Java code. Provides hands-on preparation for the AP CS exam.

AVAILABLE NOW!

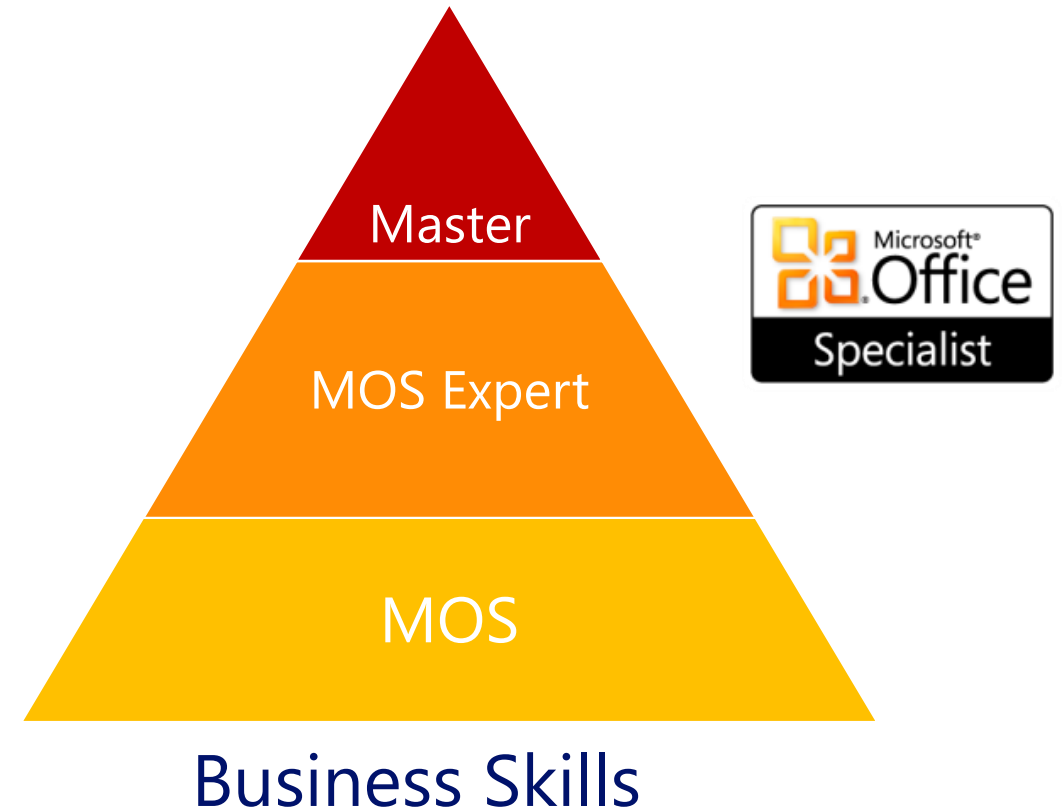
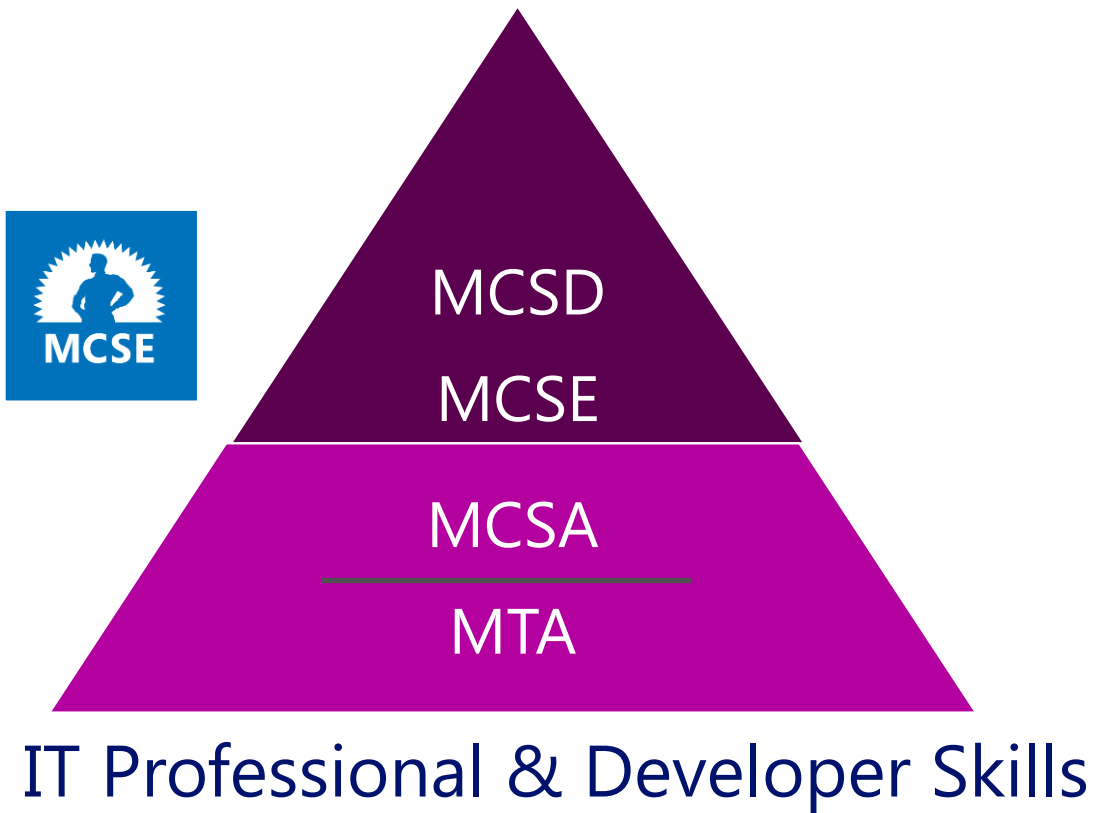
IT Academy Computer Science portfolio

AVAILABLE NOW				COMING SOON	
Elements of Computer Science <i>Optimized for students of early adolescent age studying in early secondary grades</i>	Title	Duration and form factor	Key features	Title	Key features, form factor, duration
	Hour of Code using TouchDevelop	<ul style="list-style-type: none">1 to 3 hours durationInteractive online tutorials plus video on demand	<ul style="list-style-type: none">Elements of CS to fix & customize a gameHands on using TouchDevelop	Bot's Minecraft Adventure (draft title) <i>Available late 2015</i>	<ul style="list-style-type: none">Next-generation Hour of Code teaching elementary programming concepts1-3 hours durationInteractive online tutorials plus video on demand, hands-on using TouchDevelop and Minecraft
	CODExist: Birth of Bot	<ul style="list-style-type: none">8 hours durationVideo on demand	<ul style="list-style-type: none">Elements of CS basics create your own gameHands on using TouchDevelop		
	CODExist: Bot Levels Up	<ul style="list-style-type: none">3 hours durationVideo on demand	<ul style="list-style-type: none">Elements of CS to add cloud services and animation to your gameHands on using TouchDevelop	CODExist: Bot Makes a Friend (draft title) <i>Available late 2015</i>	<ul style="list-style-type: none">20-25 interactive online tutorials introducing key coding and cloud concepts, appx. 20 hours total durationMinor subset of <i>Creative Coding through Games and Apps</i>
	DreamIT. MakeIT.	<ul style="list-style-type: none">5 hours durationInteractive online tutorials plus in-class lesson plans and exercises	<ul style="list-style-type: none">In-class extension for Hour of CodeIntroduction to entrepreneurship		
Core Concepts and Skills <i>Optimized for early- to mid- adolescent students studying in secondary grades</i>	Intro to Programming with Python	<ul style="list-style-type: none">8 hours durationVideo on demand	<ul style="list-style-type: none">Use Python to solve real-world problemsHands on using Visual Studio	Creative Coding through Games and Apps <i>Available August 2015</i>	<ul style="list-style-type: none">First semester course designed to introduce coding and cloud conceptsFlexible duration: 30, 45, 60 or 90 class hours (6,9, 12 or 18 academic weeks)Interactive, hands on using TouchDevelop
College and Career Readiness <i>Optimized for mid- to upper-adolescent</i>	Java Programming Fundamentals	<ul style="list-style-type: none">6-12 hours durationOffice Mix, Code Hunt and video on demand	<ul style="list-style-type: none">AP CS Java principles applied to C#Hands on using Code Hunt	CS50 for AP Computer Science Principles <i>Available August 2015</i>	<ul style="list-style-type: none">AP-level course designed not just to teach how to program but also how to think more methodically and how to solve problems more effectively
	MTA - Software Dev Fundamentals	<ul style="list-style-type: none">Video on demand = 8 hours durationMicrosoft Official Academic Course	<ul style="list-style-type: none">Understand and use software development principlesHands on using Visual Studio		

Validation and Certification.

Microsoft Certifications

- All IT Academy Curriculum Formats Help Prepare for Certification



Microsoft IT Academy Certification Roadmap

Microsoft IT Academy (ITAc) Program provides students with the technology skills they need to be successful in their education and careers. With Microsoft Certification, students can validate their skills that will be beneficial in a variety of career paths including engineering, business, and technology. ITAc members receive price reductions on Microsoft Certification exams so they can enable skills validation through certification for their students globally.

Start by choosing your area of study and certification path

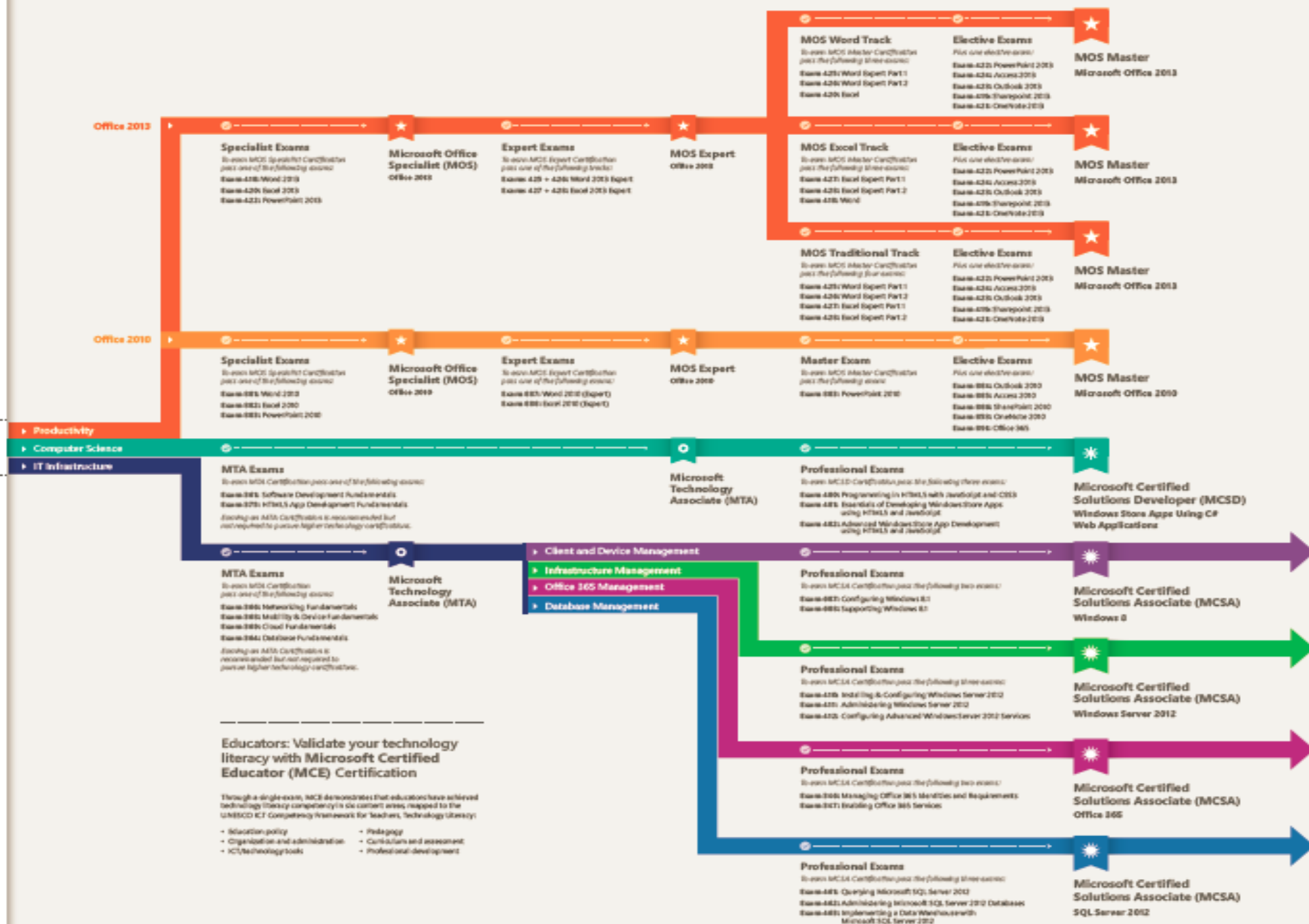
Secondary Students:

- **Microsoft Office Specialist (MOS)**
MOS Certification validates one area of Microsoft Office skills that are valuable for a wide range of jobs and other Microsofts. Earning MOS Certification proves you have the ability to use Office applications for efficient and effective work. Earning a Microsoft Office Specialist provides you with the skills to help you enter higher education or the workforce.
- **Microsoft Technology Associate (MTA)**
MTA Certification validates understanding of basic technology concepts in software development and information technology. Earning MTA Certification proves you have a foundation of knowledge about technology along with the capability and commitment to do entry-level IT jobs. Earning a Microsoft Technology Associate gives you a strong basis to support further learning to be a professional software developer or an IT Pro. Earning an MTA Certification is recommended for those seeking to pursue higher technology certifications described below.

For Post-Secondary Students and Professionals:

- **Microsoft Certified Solutions Associate (MCSA)**
MCSA Certification is a demonstration of the core technical competencies that a modern IT professional needs to succeed in today's workplace. Earning MCSA Certification is recommended for those seeking to pursue higher technology certifications described below. Earning an MCSA Certification is recommended for those seeking to pursue higher technology certifications described below.
- **Microsoft Certified Solutions Developer (MCSD)**
MCSD Certification is recommended for professionals or students in a 4-year academic program. The MCSD builds on the MTA Certification for software development, earning MCSA Certification while in school enables students to acquire skills in software development experience in a classroom setting. Earning a Microsoft Certified Solutions Developer will prepare you to be competitive for entry-level software development jobs.
- **Microsoft Certified Solutions Expert (MSE)**
MSE Certification demonstrates your ability to solve innovative professional solutions across multiple technologies, both on-premise and in the cloud. Earning MSE Certification demonstrates your ability to solve real-world IT problems and requirements for Service Management, Planning, Deployment, Communication, Service Infrastructure, Deployment, Deployment Infrastructure, Data Platform, and Business Intelligence solutions.

Additional Microsoft Certification paths at:
www.microsoft.com/learning



Mapping IT Academy to the Job Market

By Job Role	Entry Level	Associate Level	Expert Level	Path
BI and Reporting Engineer	MTA: Database Fundamentals	MCSA: SQL Server 2012	MCSE: Business Intelligence	Database
Business Analysts	MTA: Database Fundamentals	MCSA: SQL Server 2012	MCSE: Business Intelligence	Database
Cloud Developer	MTA: Software Development	Progress towards Expert Level	MCSD: Web Applications	Development
Cloud Engineer/Administrator	MTA: IT Infrastructure	MCSA: Windows Server 2012	MCSE: Private Cloud	Server
Computer Programmer	MTA: Software Development	Progress towards Expert Level	MCSD: Windows Store Apps Using C#	Development
Computer Systems Analyst	MTA: Infrastructure	MCSA: Windows Server 2012	MCSE: Server Infrastructure	Server
Computer User Support Specialist	MTA: IT Infrastructure	MCSA: Windows 8	MCSE: Desktop Infrastructure	Client/Server
Data Center Manager	MTA: IT Infrastructure	MCSA: Windows Server 2012	MCSE: Server Infrastructure	Server
Database Administrator/Designer	MTA: Database Fundamentals	MCSA: SQL Server 2012	MCSE: Data Platform	Database
Desktop Management Technician/Admin	MTA: IT Infrastructure	MCSA: Windows 8	MCSE: Desktop Infrastructure	Client/Server
Exchange Server Administrator	MTA: IT Infrastructure	MCSA: Windows Server 2012	MCSE: Messaging	Server

Validating Skills = Employment



Get this all from Microsoft IT Academy.

For more information contact us at:
dtapang@microsoft.com

What?

Microsoft | IT Academy

Complete Technology Education Solution
Over 2000 pieces of curriculum and content
(for Students, Teachers, Staff)

Why?

Microsoft | IT Academy

Building Bridge Between Education and Industry

Who?

Microsoft | IT Academy

Eligibility for Recognized Academic Institutions
(K-12 & Higher Ed)
Other Institutions (Libraries, Museums)

IT Academy for Everyone

Teachers

- Digital Literacy
- O365 Training
- OneNote
- PowerPoint
- SharePoint
- PD Training
- Etc

Students

- Digital Literacy
- O365 Training
- Office Training
- Computer Science
- Networking
- App dev
- Etc.

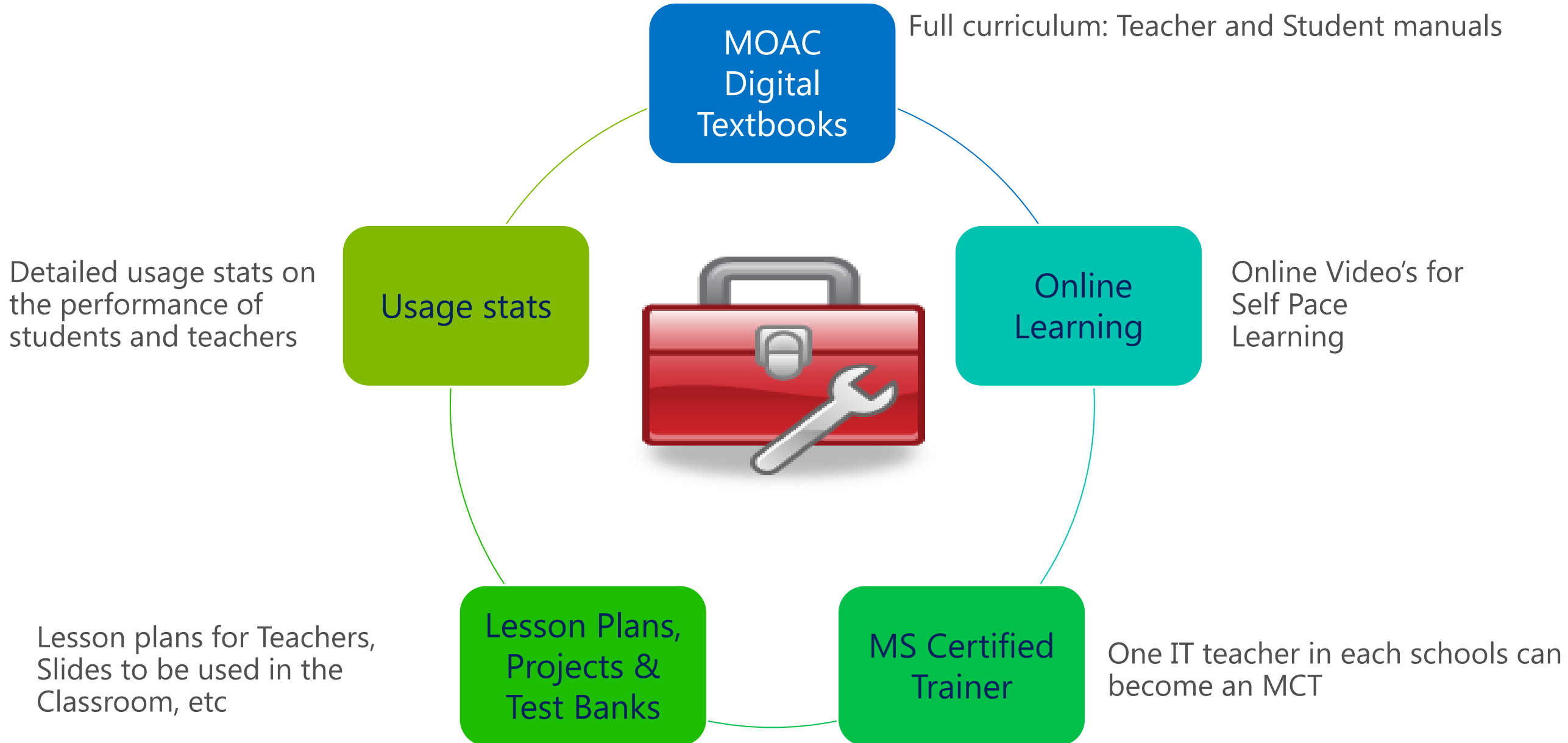
IT Staff

- SharePoint
- O365 Tech Training
- Networking
- SQL
- CRM
- Cloud (Azure)
- Etc.

Parents

- Excel
- Powerpoint
- Word
- Outlook
- OneNote
- App Dev
- Etc.

Tools for Building Technology Skills



Microsoft Official Academic Curriculum (MOAC)

Student and Teacher Resources



Easily Download Student & Instructor resources
ITA Member site [Downloads](#)

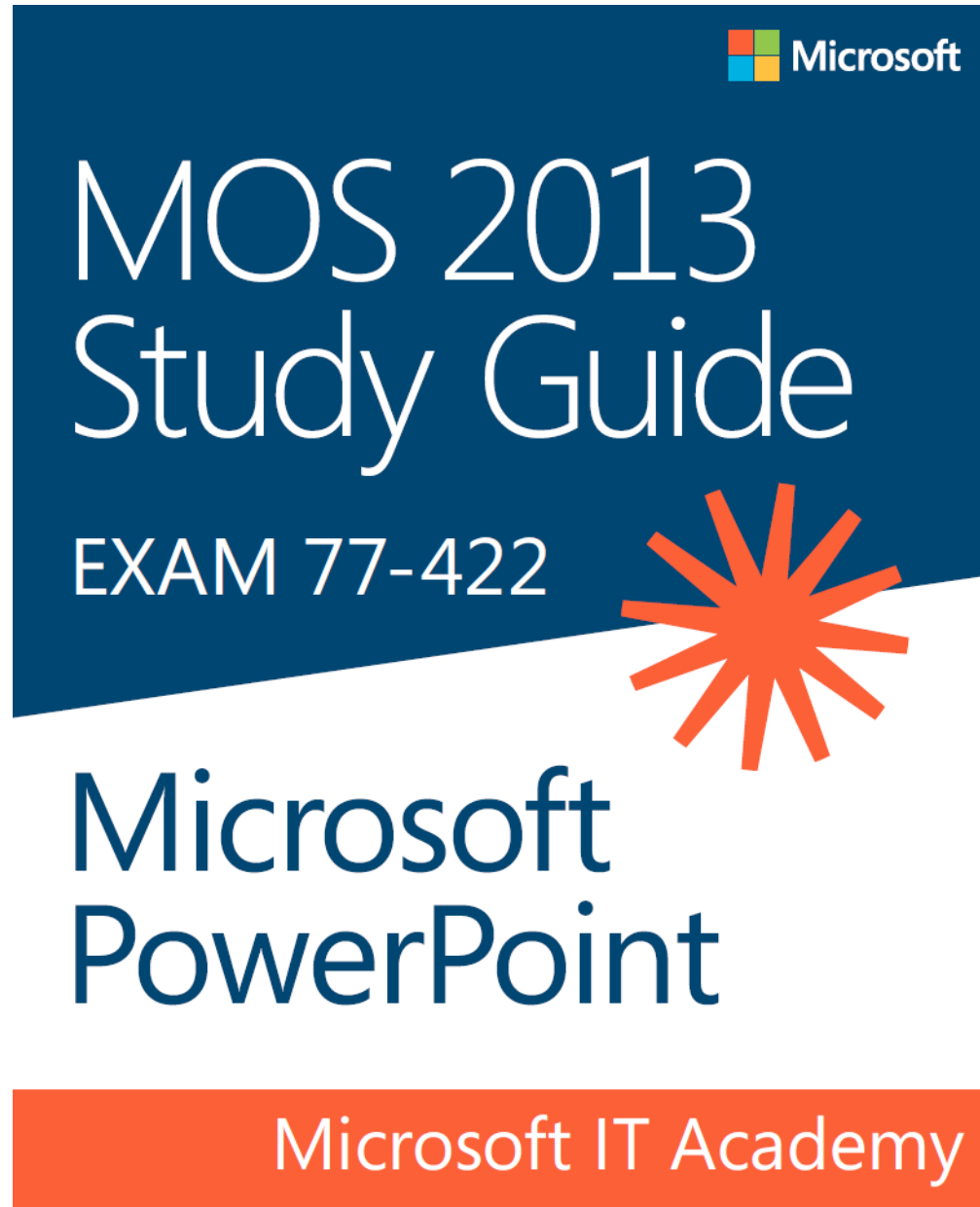
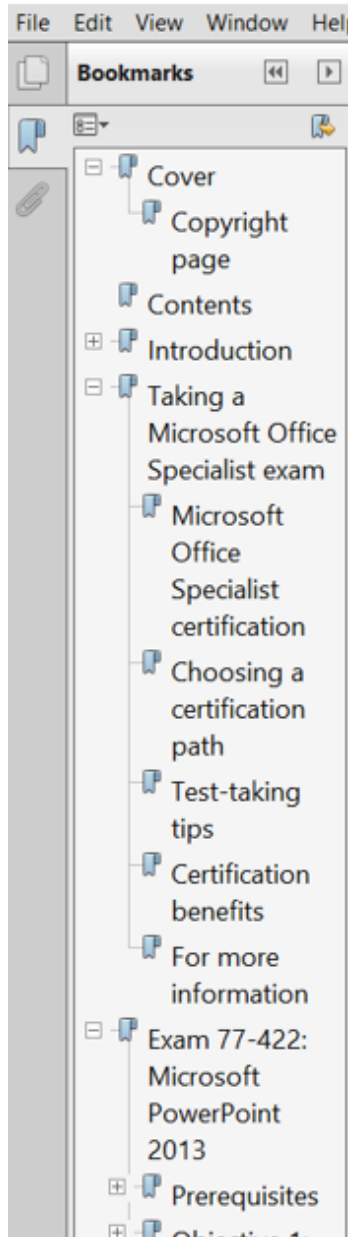


Download from ITA
Members Site

Includes:

- Digital Textbooks for both Teachers and Students
- Teachers Guide
- PowerPoint Presentations
- Test Banks
- Projects
- Exam Mapping
- Classroom Setup Guide

Study Guides



**

Download from ITA
Members Site

**

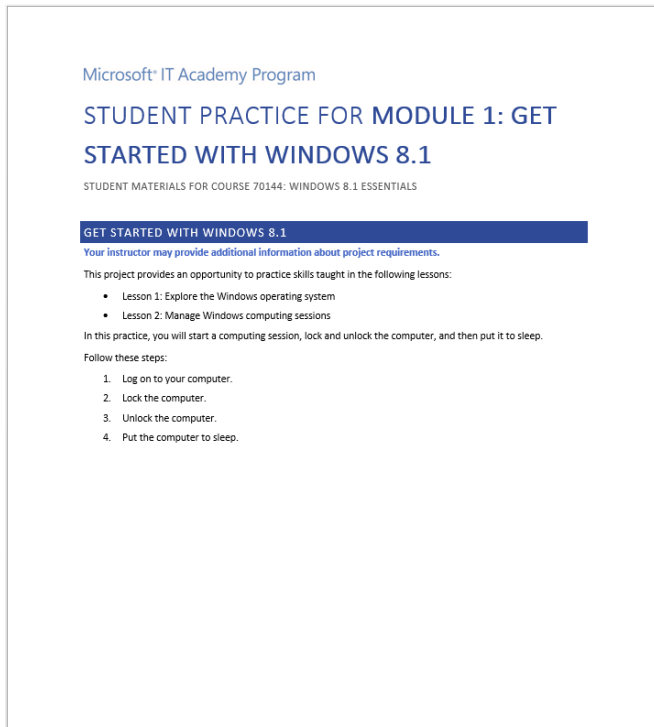
The tasks in the book are similar to the tasks students will be asked to complete when they sit for their exams.

The study guides are designed to help students practice and prepare for a MOS exam

Includes:

- Full, objective-by-objective exam coverage
- Easy-to-follow procedures and illustrations to review essential skills
- Hands-on practice tasks to apply what you've learned

Lesson Plans



Supplemental lessons based upon certification exam objectives. Includes links to relevant Online Learning, free demos and videos.

VALUE TO EDUCATORS:

Saves time with ready to use lesson plans to use as is, or to customize for specific teaching and learning goals.

Supplements E-Learning and maps to Certification. Includes ready to use project-based learning activities for higher education, high school and middle school students.

VALUE TO STUDENTS:

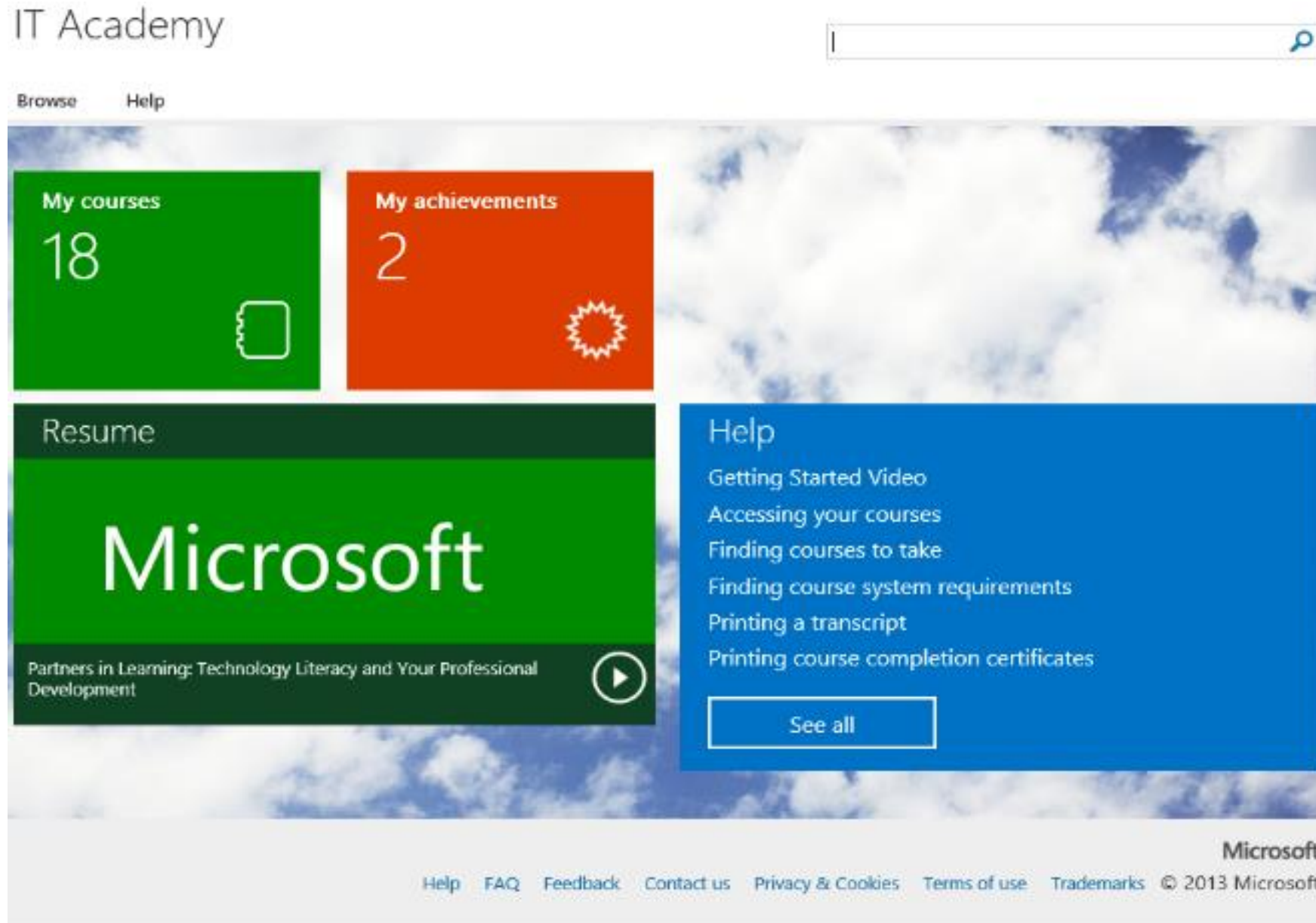
Allows students to use project-based learning activities to demonstrate and practice skills on Microsoft Technologies and prepare for certification.

Download from ITA
Members Site

Includes:

- Links to **Online Learning**
- Quiz material
- Student projects
- References to videos to be used in class or out of class for reinforcement

IT Academy Online Learning



**

Connect to Admin & Learner Portals

**

Includes:

- Easy to use
 - Administration portal
 - Learners portal
- Assignable content
- Track-able lessons
- Multiple Technologies
- Evolving Administrator and Student Experience
- Assessments

**

Also includes 'Videos on
Demand' (VOD) resources

**



70148



Microsoft Excel 2013 Essentials

0% complete



Watch now

Excel



Overview

Syllabus

System requirements

Show all

Progress

Time
(Excludes labs and knowledge checks)

Module 1: Introduction	0% complete	00:00:00
Module 2: Create and Customize an Expense Report Workbook	0% complete	00:00:00
Module 3: Customize the Workbook	0% complete	00:00:00
Module 4: Share and Save a Workbook	0% complete	00:00:00

Module 4: Share and Save a Workbook

In this Module

00:00:00 / 00:00:40

Understand Print, Export and Share Options

00:00:00 / 00:00:33

Demo

00:00:00 / 00:06:19

Practice

Save to an Online Location

00:00:00 / 00:00:52

Screen shot of an Online Excel Course

- Online video's in various modules.
- Demo's and Online Practise
- Self Pace Learning or Teacher led lesson plans
- Usage statistics.
- Over 250 courses available on IT Academy

Educator Professional Development

Learn

New Office Hour Course Titles:

- Collaborate in the Classroom Using OneNote Class Notebook Creator
- Deliver Curriculum with OneNote
- Enhance Productivity with OneNote
- Get Started with OneNote
- Get the Most out of OneNote
- Project and Share OneNote Notebook Sections
- Send Webpages and Notes to OneNote
- Stay organized with OneNote
- SharePoint for Your Classroom
- SharePoint for Your Staff
- Building Classroom Community with Yammer
- Collaborate Using PowerPoint Online
- Create a Quiz in Office Mix
- Create A Survey in Excel Online
- Create and Share a Substitute Folder in OneDrive
- Use Accessibility Settings in Windows
- Install the OneNote Class Notebook Creator App (IT Administrators)
- One Note for School Administrators
- Get Started with OneNote
- Create a Parent Email List
- Create Your Own Email Rules

Teach

Courses:

- Teaching with Technology
- Technology Enriched Instruction

Best Practices:

- Prepare Students for MOS Certification
- Use MOS Study Guides and Lesson Plans
- Use MOAC MOS in Your Classroom

Computer Science

- Hour of Code Event Training
- DreamIT. MakeIT. A classroom Extension for Hour of Code with TouchDevelop
- Java Programming Fundamentals

Coming Soon

- Creative Coding through Games and Apps
- CS50 for AP Computer Science Principles

TWT Self Assessment & Individual Learning Plan for Educators

Supporting Teaching and Learning with ICT - Windows Internet Explorer

http://onscreen.intuition.com/lms/content/imported_41544/mst_0010/sco.html?ScolD=25322&UserID=11036907

Supporting Teaching and Learning with ICT

Introduction

Transcript

- ✓ Introduction
- ✓ ICT as a Teaching and Learning Tool
- ✓ Matching Lesson Objectives to ICT Resources
- ✓ Summary



© 2011 Microsoft | Microsoft Partners in Learning | [Glossary](#)

1 of 22

Internet | Protected Mode: On

100%

Six core curriculum focus areas for educators

Curriculum & Assessment

Education Policy

Technology & Pedagogy

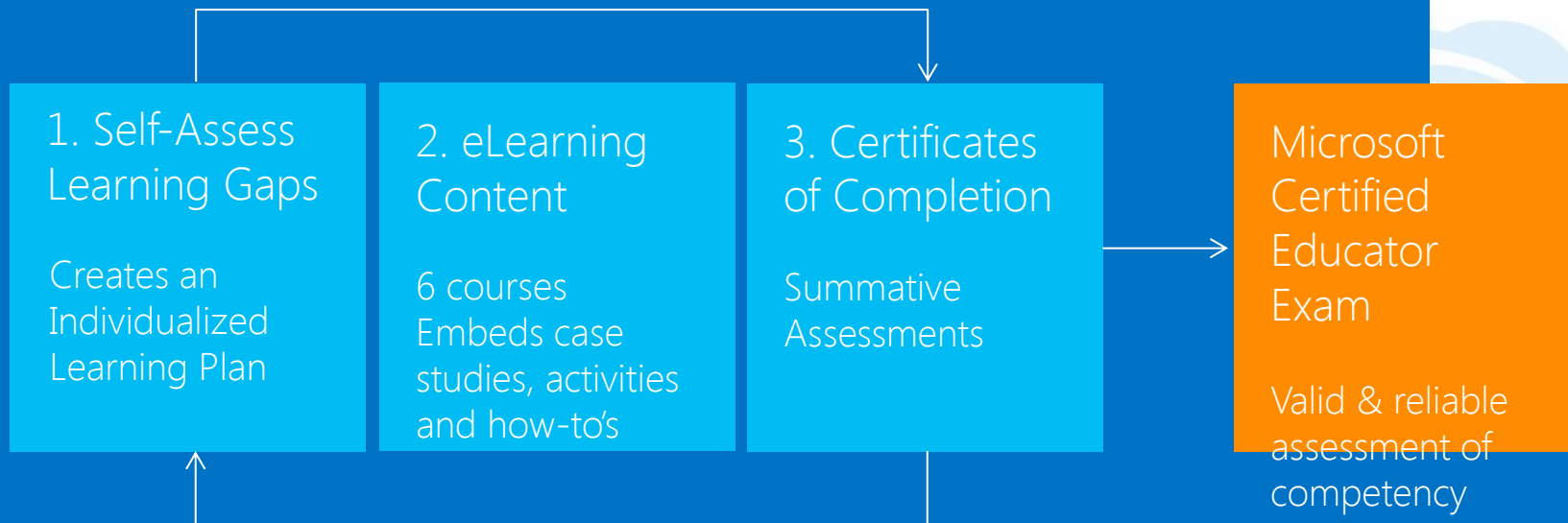
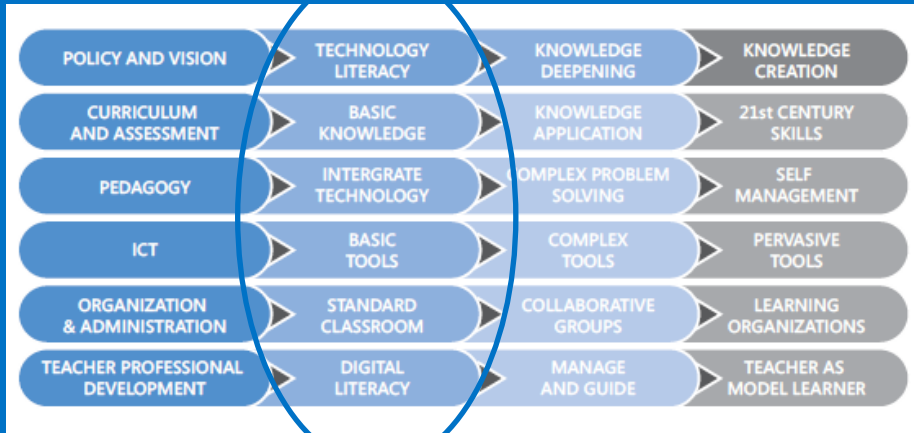
ICT Classroom Tools

Organization & Administration

Professional Development


Teaching with Technology (TwT), IT Academy & MCE

... Extending educator value and credentials



Self Assessment & Individual Learning Plan for Educators

self-assessment recommended courses all courses



Create a customized e-learning path

This 40-question self-assessment will help identify your current knowledge of integrating Information and Communication Technology (ICT) into teaching and learning. It is aligned to the Technology Literacy Approach of the UNESCO ICT Competency Framework for Teachers.

The results will help design a personalized e-learning path for you to recommend a personal learning plan and see the competencies.

You can retake the self-assessment at any time.

Duration: About 50 minutes
Date last taken: 4/29/2012
Number of attempts: 2

[start self-assessment](#)

Partners in Learning: Technology Literacy Teacher Competencies | Self-Assessment - Windows Internet Explorer

<https://itacademy.microsoftteaching.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.	✓	
Identify CFT and its approaches.	✓	
Identify the target student outcomes that result from implementing a CFT-supported learning experience.	✓	
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.		✓
Given a scenario, evaluate and select an ICT instructional resource.	✓	
Given a scenario, evaluate and select an ICT assessment resource.	✓	
Select an appropriate computer-based tool to monitor and share pupil performance data.		✓

Desktop

Six core curriculum
focus areas for
educators

Curriculum &
Assessment

Education Policy

Technology & Pedagogy

ICT Classroom Tools

Organization &
Administration

Professional
Development

Microsoft Educator Certification (MCE)

UNESCO

Education

Natural Sciences

Social and Human Sciences

Culture

Communication and Information

Media Services

About us

Themes


Worldwide

Communities

Events

Join us

Resources



United Nations
Educational, Scientific and
Cultural Organization

ICT in Education

UNESCO » Themes » ICT in Education » Teacher Education » UNESCO ICT Competency Framework for Teachers

ICT in Education

Policy

Lifelong Learning

Teacher Education

► UNESCO ICT Competency Framework for Teachers

► Portal for Teachers

► Institutional Capacity Building


E-Learning

Open Educational Resources

Education Management Information System

Mobile Learning

UNESCO ICT Competency Framework for Teachers



The UNESCO ICT Competency Framework for Teachers (ICT-CFT) is intended to inform educational policy makers, teacher-educators, providers of professional learning and working teachers on the role of ICT in educational reform, as well as to assist Member States in developing national ICT competency standards for teachers with an ICT in Education Master Plan approach.

Modern societies are increasingly based on information and knowledge. So they need to:

- build workforces which have ICT skills to handle information and are reflective, creative and adept at problem-solving in order to generate knowledge
- enable citizens to be knowledgeable and resourceful so they are able to manage their own lives effectively, and are able to lead full and satisfying lives
- encourage all citizens to participate fully in society and influence the decisions which affect their lives
- foster cross-cultural understanding and the peaceful resolution of conflict.

These social and economic goals are the focus of a country's education system. Teachers need to be equipped to achieve these goals, and UNESCO has created an international benchmark which sets out the skills required to teach effectively with ICT: UNESCO's ICT Competency Framework for Teachers.

UNESCO's Framework emphasizes that it is not enough for teachers to have ICT skills and be able to teach them to their students. Teachers need to be able to help the students become collaborative, problem-solving, creative learners through using ICT so they will be effective citizens and members of the workforce. The Framework therefore addresses all aspects of a teacher's work:


RELATED INFORMATION

RESOURCES

► ICT competency standards for teachers: implementation guidelines

► ICT Competency Framework for Teachers

NEW PUBLICATION



► UNESCO ICT Competency Framework for Teachers

Microsoft Certified Educator (MCE)

- Competency-based, valid and reliable certification assessment
- Mapped to UNESCO ICT CFT, Technology Literacy Approach
- Does not measure technology skills, but the ability to apply those skills in teaching and learning context
- Pathway progression with Digital Literacy Certificate
- IT Academy online courses mapped and help prepare educators for MCE
- Available as a site license for convenient testing at schools

Digital Literacy

- Computer Basics
- Internet, Cloud Services and the World Wide Web
- Productivity Programs
- Computer Security and Privacy
- Digital Lifestyles
- Build Your First App



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.)

Welcome!

More 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](#)



⬅ Digital Literacy Standard Courses

Computer Basics

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



The Internet and the World Wide Web

Learn how to connect to people and resources around the world.



Productivity Programs

Learn the fundamentals of word processing, spreadsheets, presentation software, and database programs used in business, in education, and at home.



Security and Privacy

Learn the risks and threats to computer security and privacy so that you can understand and prevent them.

Digital Lifestyles

Learn how digital audio, video, and photography, and other technologies are creating new career opportunities and shaping the world we live in.



Certificate Test

Take this test to receive a learning plan.

Pass this test to get a personalized certificate showing you have learned computer basics!



Training and Certification on ITA

IT Academy Certification by Areas of Study

Productivity	Computer Science	IT Infrastructure	
Digital Literacy, Windows, O365, Word, PPT, Excel	Programming Basics, Programming Concepts, Application Development	Managing Infrastructure for Cloud, Clients, Devices, Databases and O365	
Digital Literacy Course Certificate	MTA 98-361 Software Development Fundamentals	MTA 98-366 Networking Fundamentals	
MOS 77-418 Word 2013	MTA 98-375 HTML5 App Development Fundamentals	MTA 98-368 Mobility and Device Fundamentals	
MOS 77-425/426 Word 2013 Expert	MTA 98-364 Database Fundamentals	MTA 98-364 Database Fundamentals	
MOS 77-422 PowerPoint 2013	MCP 73-480 Programming in HTML5 with JavaScript and CSS3	MTA 98-369 Cloud Fundamentals	
MOS 77-420 Excel 2013	MCP 73-481 Essentials of Developing Windows Store Apps using HTML5 and JavaScript	MCP 73-687 Configuring Windows 8.1	MCP 73-410 Installing and Configuring Windows Server 2012
MOS 77-427/428 Excel 2013 Expert	MCP 73-482 Advanced Windows Store App Development using HTML5 and JavaScript	MCP 73-688 Supporting Windows 8.1	MCP 73-411 Administering Windows Server 2012
		MCP 73-347 Enabling Office 365 Services	MCP 73-412 Configuring Advanced Windows Server 2012 Services

Professional Development: Certification Teacher Starter Kit

10

MCE

Microsoft Certified
Educator Exams

Teachers using
technology in the
classroom

10

MOS

Microsoft
Office
Specialist

All teachers
with
productivity
skills

10

MTA


Microsoft Technology
Associate Exams

Learn & Introduce
students to technology
careers

IT Academy Best Practice

IT Academy Global Reach

Netherlands
Covers every secondary school, every college, and every university, countrywide



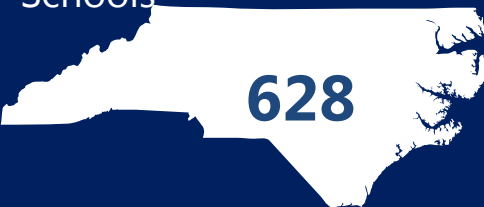
950

Puerto Rico
Every middle school nationwide!



406

North Carolina
First state-wide USA IT Academy adoption across all North Carolina High Schools




628

UAE
Every secondary school nationwide



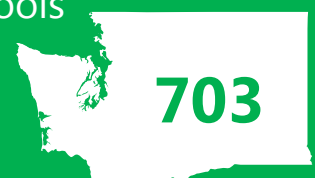
250

Chile
High schools throughout the country



450

Washington
State-wide USA IT Academy adoption across all Washington High Schools



703

16,000 IT ACADEMIES GLOBALLY
133 COUNTRIES

