



Anthony Nneke
School Business Manager
@anthonymneke

Professional Development



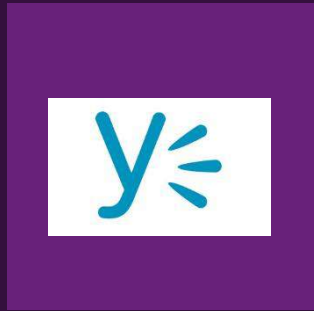
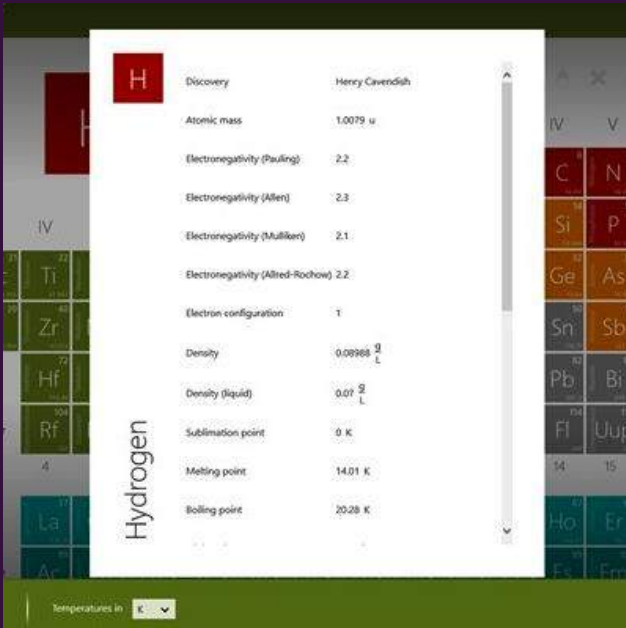
Helping Transform Education

Devices, Apps for Education, Accessibility, Communication and Collaboration, Search, Access Programs

Windows 8
and
Windows RT



Kinect
and Xbox



Access Programs

Microsoft is creating public-private partnerships to put technology access in the hands of students and educators throughout the world. This unique program has helped us provide digital access to 16,000,000 students in over 55 countries.

ITA



1:1
Programs





1,738,925 students in the UK have tried the Hour of Code™



1,738,925 in the UK have tried an **HOURLY of CODE™** Anybody can learn.

Start

- No experience needed
- No computers either
 - Ages 6-106

The Hour of Code had almost 20 million participants in the United States, with overwhelming feedback from students, teachers, and parents.



touchdevelop

Microsoft
Research



Create your own game!
Take our interactive tutorial.

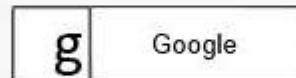
[▶ try it now!](#)

TouchDevelop lets you create apps on **iPad, iPhone, Android, PC, Mac, Windows Phone**. Our **touch-friendly** editor makes coding fun, even on your phone or tablet!

[more info](#)

[▶ open web app](#)

sign in with...



By signing in to TouchDevelop you agree to the [Cloud Services Agreement](#) with Microsoft Research. Please read our statement on [Privacy and Cookies](#).

Like 3.3k

Tweet



AQA - G.C.S.E Computing - MTA M...

Search for apps



This app is installed on this PC.

Last updated on this PC on 14/01/2014

This app has **permission** to use some features of your PC that might affect your privacy.

Apps by Lanky_boi_ray >



Trenches - History - KS3

Free Not yet rated

Education



Learn Easy Korean - Within a day

Free Not yet rated

Education



German Sports - KS3 Vocabulary

Free Not yet rated

Education

Related apps >



Ray Chambers - Innovative Teac...

Free Not yet rated



COMPUTER SCIENCE - MAPPING

COMPUTER SCIENCE GCSE MAPPING TOOL

MAPPING TO MICROSOFT TECHNOLOGY ASSOCIATE EXAMS



This is a Computer Science Mapping tool. The AQA Computer Science GCSE is very much parallel to the Microsoft Technology Associate exams. This tool will help you find the relevant modules and will take you to the available exams which will help introduce your students to basics such as software development, data types, databases and much more. Click on the specification number and content below to find the relevant course.

3.1.1 - Constants, Variables and Data types

3.1.2 - Structures

3.1.3 - Program flow control

3.1.4 - Procedures and functions

3.1.5 - Scope of variables, constants, functions and procedures

3.1.6 - Error handling

3.1.7 - Handling external data

Example of the current curriculum and links.

Published by [Lanky_boi_ray](#)

Lanky_boi_ray, Microsoft Partners In Learning, Uppingham...

Category **Education**

Approximate size 438 KB

Age rating 12+



SWITCHED ON Computing

TAKE YOUR FIRST EASY STEPS WITH
MICROSOFT



Easy-to-follow mini projects for Key Stages 1 and 2



For the new National Curriculum for computing

Recommended by

COMPUTING AT SCHOOL

EDUCATE - ENGAGE - ENCOURAGE

An affiliation with CISC, The Chartered Institute for IT

What is coding?

Coding runs through a lot of the new curriculum. It is possibly an area that a lot of teachers do not feel as confident using. Code is 'written computer instructions'. The term code is somewhat colloquial. For example, a programmer might say: "I wrote a lot of code this morning" or "There's one piece of code that doesn't work."

Code can appear in a variety of forms. The code that a programmer writes is called source code. After it has been compiled, it is called object code. Code that is ready to run is called executable code or machine code.

Teach coding with our pick-up-and-teach units

We can help you get coding with two free Switched on Computing units, for Year 3 and Year 6, that give you step-by-step lesson plans and instructions for teaching your pupils to code using Scratch and Kodu.

Download them now and get started!



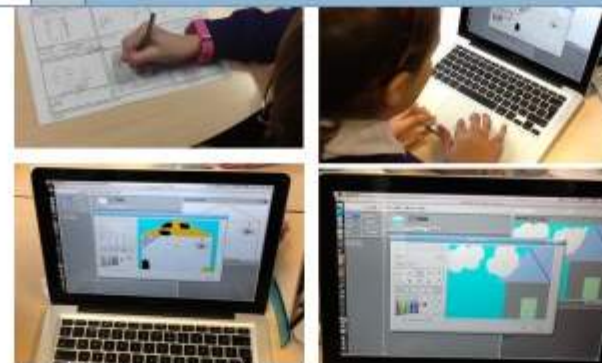
Unit 3.1 'We are programmers' and Unit 6 'We are game designers'.

Both units include:

- 8 pages of step-by-step planning
- E-safety checklists
- Extension ideas
- Assessment guidance
- Software in 60-seconds walkthrough demos
- Additional CD-ROM resources

[Click to download them from dropbox.](#)

[Switched on Computing](#) is written for the 2014 computing curriculum and offers creative units using the latest software in a format that is designed for teachers of all levels of experience to pick up and use. Switched on Computing teaches programming in every year so it's full of resources to help you teach coding. These two free units will get your pupils making animations and games using Scratch and Kodu.



Children from Elm Park Primary using Scratch with the 'We are Programmers' unit



⊖ Tutorials

[XNA Video 2 - MoodLight Tutorial](#)

[XNA Video 3 - Manual MoodLight Tutorial](#)

[Pat Yongpradit Teacher Profile](#)

[see more >](#)

⊖ Learning Activities

[Red Rock Rampage](#)

[Desert Breakdown](#)

[Exploration of Mars](#)

[see more >](#)

Microsoft® Research

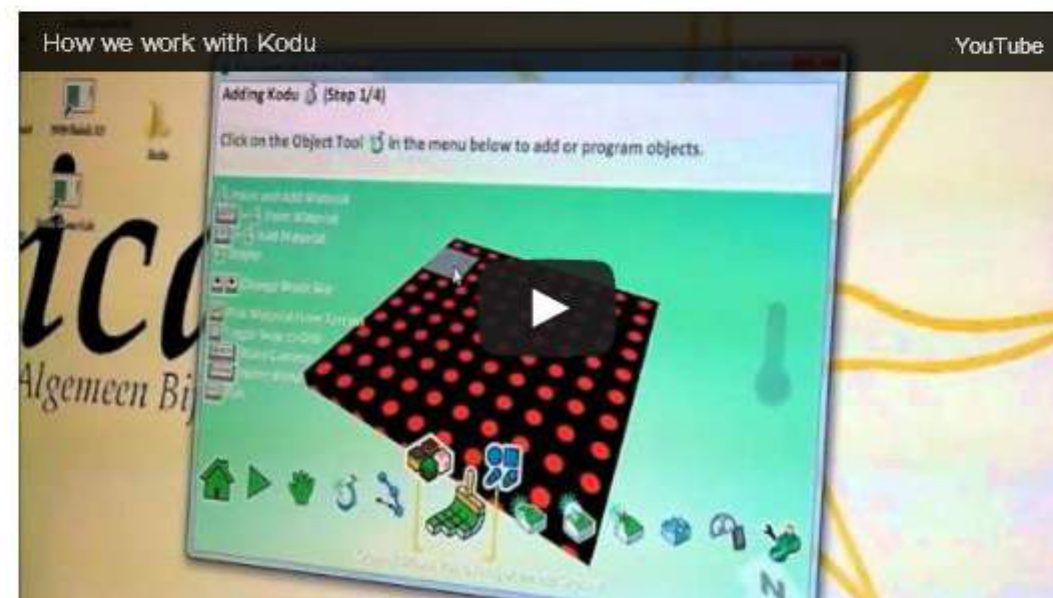
Kodu

[get it now >](#)

Teach your students programming by letting them have fun creating and playing their own games. Kodu is a visual programming language made specifically for creating games. It is designed to be accessible for children and enjoyable for anyone. The programming environment runs on the Xbox 360, allowing rapid design iteration using only a game controller for input.

Like 35

Share



Address Bar

Supporting Educators

Development Programs, Communities, Forums and Conferences

IT
Academy



Teacher
Education
Initiative



Educator
Network



Microsoft in Education

Microsoft in Education is a \$750 million global initiative aimed at improving teaching and learning. Since 2003, we've led the way in partnering with education, helping nearly 11 million educators and reaching more than 207 million students in 139 countries in our first 10 years alone.

Innovative Teacher Program



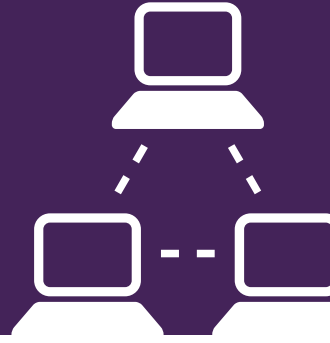
Innovative Schools



Global Forum

Microsoft Tech Skills in Demand

Fastest growing occupations globally include **Health Care & Information Technology**



IT job growth

35.6M

2009

41.4M

2014

Microsoft skills & certifications:

"must have"

"good to have"

"nice to have"



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

14M estimated new jobs worldwide by 2015 due to spending on public and private IT cloud services.²

25% of IT opportunities worldwide went unfilled because of lack of training or experience in 2012.³

Over the next 4 years.⁴

5.8M
Jobs will rise in
IT employment



51%
Of all IT jobs will
be software related



75K
New Business
Created



Jobs in Demand by Technology

Google



CISCO

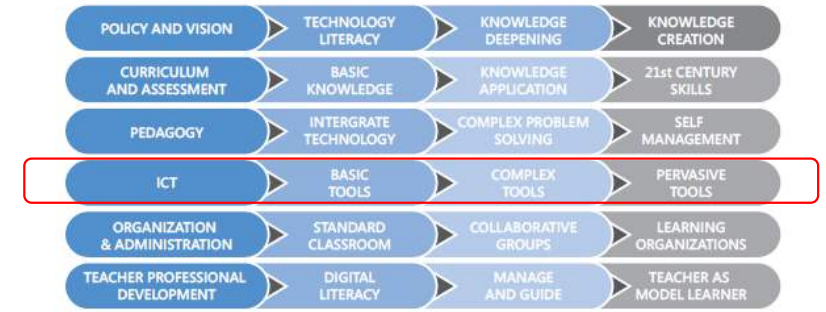
Microsoft

London	336	116	269	1,000+
Birmingham	27	5	24	742
Manchester	36	29	73	782
Cambridge	9	4	12	173
Glasgow	5	4	28	97
Cardiff	1	0	5	48
Mumbai	212	148	240	1,412
Amsterdam	346	286	265	1,486
Sydney	232	177	358	2,610
Toronto	408	226	420	5,936

Source: Indeed.com, August 2013 & Monster.co.uk, September 2013

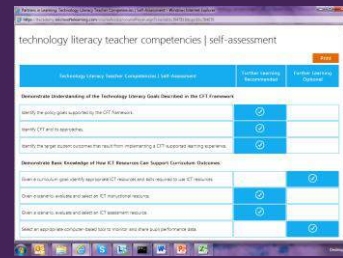
Professional Development

Extending educator value and credentials



Teaching with Technology Program Components

Self-Assess Learning Gaps
Creates an Individualized Learning Plan



eLearning Content

6 courses
Embeds case studies, activities etc



Certificates of Completion

Summative Assessments

Microsoft Certified Educator Exam
Valid & reliable assessment of competency
Aligned to UNESCO competency framework

Teacher Starter Kit per IT Academy
10 x MCE
10 x MOS
10 x MTA

Microsoft Certified Trainer (MCT)
1 x FREE MCT Membership per IT Academy
Global community of over 18,000

Key Themes

Teacher Training & CPD for ICT

MCE & MOS for teachers in Primary & Secondary

Teacher Starter Kits:

10 x MOS vouchers

10 x MCE voucher

Windows 8 & Office 2013
Elearning

E-Reference Library for Staff
Development

Preparing to Teach Computer Science From Sept'14

Teacher CPD through MTA curriculum and certifications

10 x MTA per ITA

Free Digital MTA academic curriculum

MTA aligned to CS GCSE (inc. AQA)

MTA's include HTML5, Gaming, Mobile

Teaching Relevant and Engaging ICT

Office Skills in demand

MOS Certification and Elearning curriculum inc. SharePoint & OneNote

Lesson Plans and Test Bank

Free Digital Academic Curriculum

Worldwide MOS Competition

Partners in Learning

10-year, \$500M global initiative, scaling innovation across 114 countries
www.pil-network.com



Teachers
trained:

9.4M

Students
reached:

202M

Teachers in the
network:

4.6M

Schools in the
program:

12K





See how other educators are increasing student engagement

Personalized learning

Hot topics 35

Discuss the common challenges of teaching young minds with educators from 196 countries and join Virtual University Webinars

Popular discussions

- 1476 MICROSOFT INNOVATIVE EDUCATORS
Microsoft Expert Educator
- 172 PARTNERS IN LEARNING FORUM EVENTS
Microsoft in Education Global Forum 2014 - Barcelona
- 264 PARTNERS IN LEARNING FORUM EVENTS
Join an Online TeachMeet!

[view all](#) →

Learn and grow

Specialized training programs for every level of expertise

100
Digital Literacy
Whether you are new to computing or have some experience, this curriculum will help you develop a fundamental understanding of computers and productivity software. The courses give you the essential computing skills to be more confident and productive at home and at school.

Ready to get started?

Explore the [Microsoft Digital Literacy curricula and courses](#) available in your preferred language.

200
Teaching with Technology
Move beyond learning simple technology tools and develop a deeper understanding of how technology integration can enhance the teaching and learning experience, enable 21st century skill acquisition in students, and save you time.

Get started

[Teaching with Technology](#)

[Windows in the Classroom](#)

300
21st Century Learning Design
Once you have a foundation of digital literacy skills, you're ready to utilize a research-based methodology to create and enhance lessons that elicit 21st Century Skills in students. Teachers who go through this process say it gives them a clear and practical way to integrate 21st Century Skills in their own teaching practices.

[Learn more about 21st century learning design.](#)

[Download the 21st century learning design rubric.](#)

400
Peer Coaching
Every day, schools are asked to do more with less. Answering this challenge, peer coaching and ongoing mentorship are among the most impactful, effective, and affordable professional development tools for educators. They're most effective when coming from a trusted source - other educators.

[Send us an email](#) to become part of the peer coaching program.

Inspire Students

Development Programs, Competitions, Deals and Offers

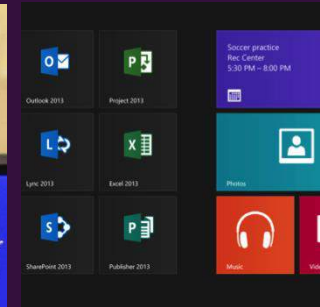
App Development



Creating Opportunity for Youth



Imagine Cup



Deals and Offers

DreamSpark



Student to Business



Digi Girlz

Q&A



Thank you

