Further Education Showcase Session

Sponsored by:

Practice Labs

CPD, Professional Development and other engagement programmes from Microsoft

22 June 2018

Microsoft
Clare Riley
@ClareRiley100
FE & HE Engagement Manager

Microsoft FE Focused Team

Microsoft FE Focused Team

Kevin Sait – Learning Consultant and MIE

Carly Hallett – Education Sales Manager

Sarah Hicks – FE Partner Manager

Ian Fordham – Director of Education

Bhavin Bhagalia – Sector Lead FE

Andy Nagle – Education CTO

Sara Whelan – FE Account Executive

Alan Holohan – FE Account Executive

Amy Rosato – FE Cloud Specialist

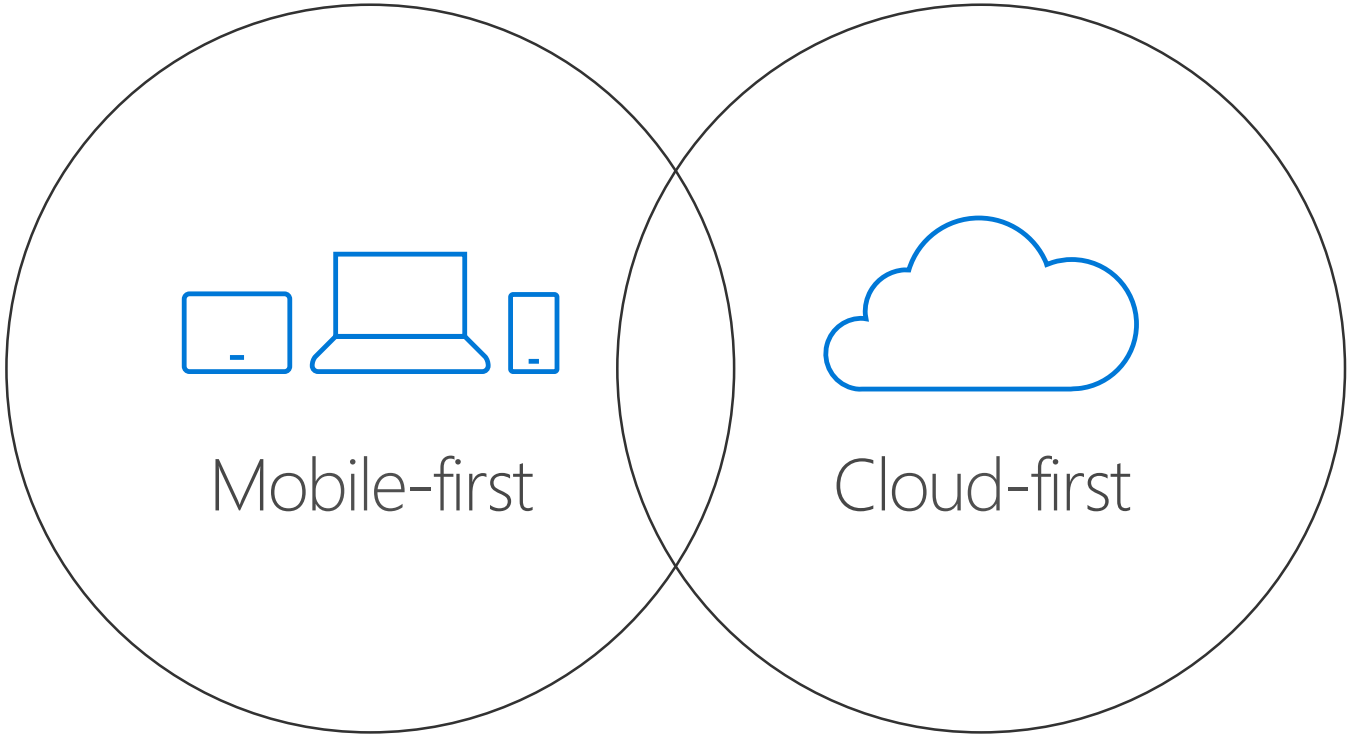
Clare Riley – FE and STEM Engagement Lead

Microsoft's Mission

To Democratize AI And Empower Every Person And Every Organisation On The Planet To Achieve More

"As a culture, we are moving from a group of people who know it all to a group of people who need to learn it all"
Satya Nadella, CEO, Microsoft

Microsoft's worldview

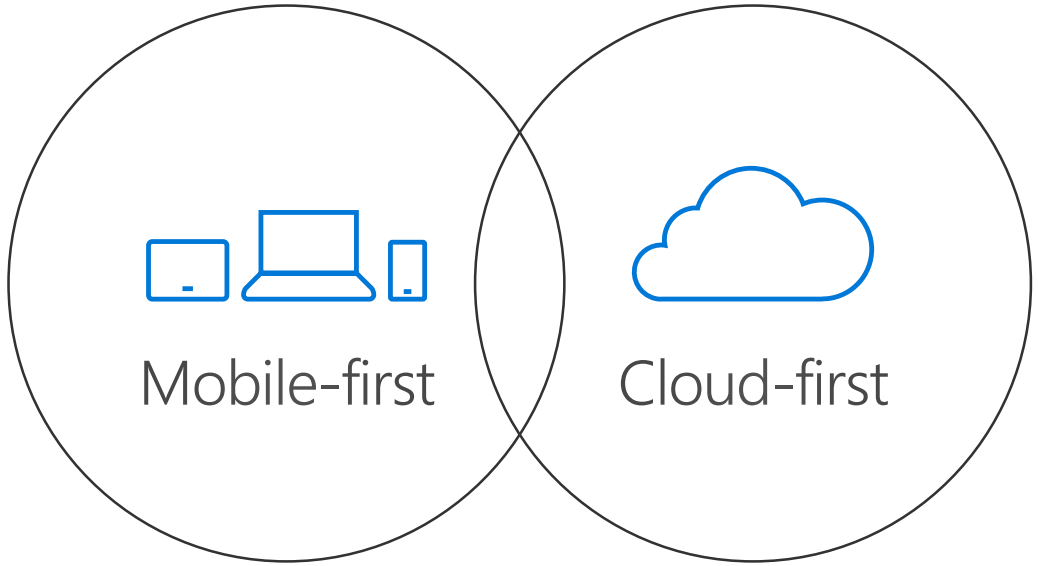


Microsoft's worldview

Agents & Bots

Natural & conversational user interfaces

Mixed Reality



Artificial Intelligence

Advanced analytics & workflows

Internet of Things

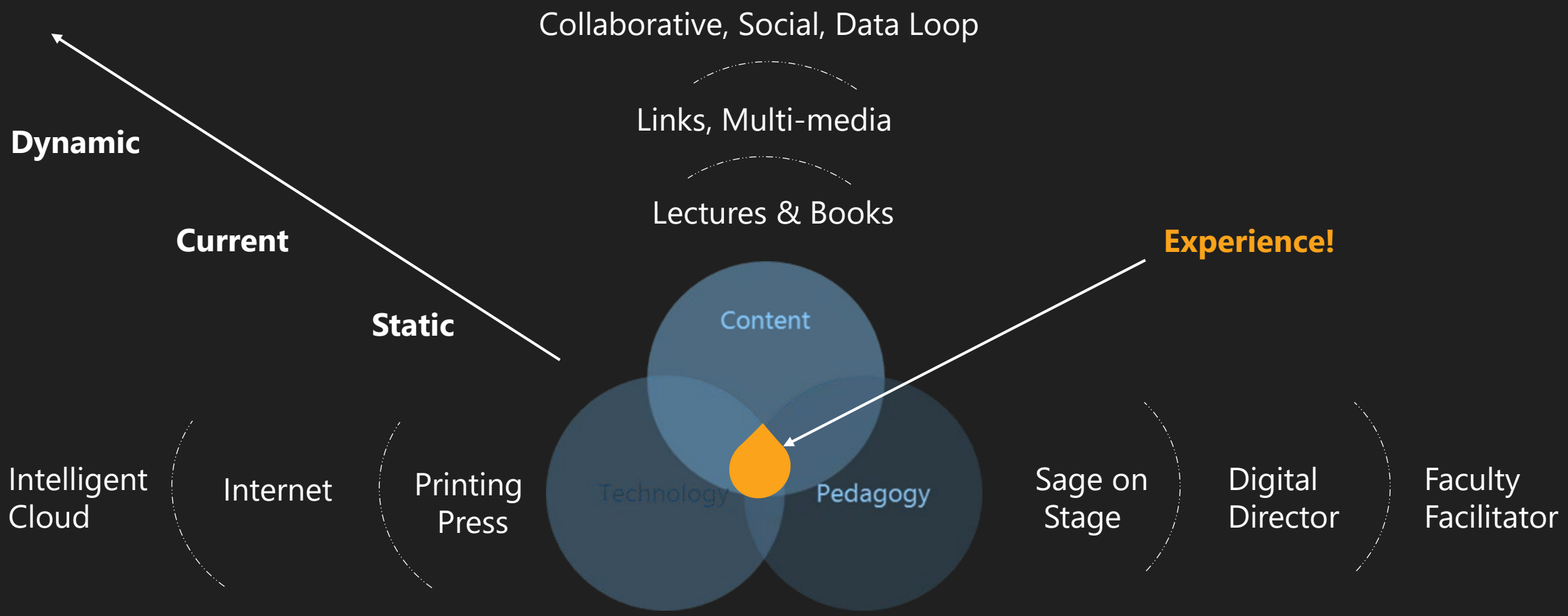
WE ARE IN THE BUSINESS OF LEARNING

WE ARE IN THE BUSINESS OF LEARNING

FORMAL	HIGHLY CURATED	INDIVIDUAL	CONSUMPTION	TEACHING
PROCTORED	GLOBAL SCALE	MOMENT IN TIME	CENTRALIZED	SINGLE-CHANNEL

WE ARE IN THE BUSINESS OF LEARNING

INFORMAL FORMAL	SOCIALLY FILTERED HIGHLY CURATED	COMMUNITY INDIVIDUAL	CONTRIBUTION CONSUMPTION	LEARNING TEACHING
PEER REVIEWED PROCTORED	LOCAL RELEVANCE GLOBAL SCALE	ALWAYS ON MOMENT IN TIME	FEDERATED CENTRALIZED	OMNI-CHANNEL SINGLE-CHANNEL



Scott Moore, Extension Engine

Evolution of Content, Pedagogy, Technology

Engagement Programmes from Microsoft for HE and FE in the UK : June 2018

Unlock Limitless Learning

Welcome to this collection of resources from Microsoft to support FE and HE in the UK. This is a quick and easy way of sharing links for:

- Free continuing professional development for faculty
- Curriculum and certification for students
- Innovation projects

The information here will be kept current and you can always access / share this pdf at this link

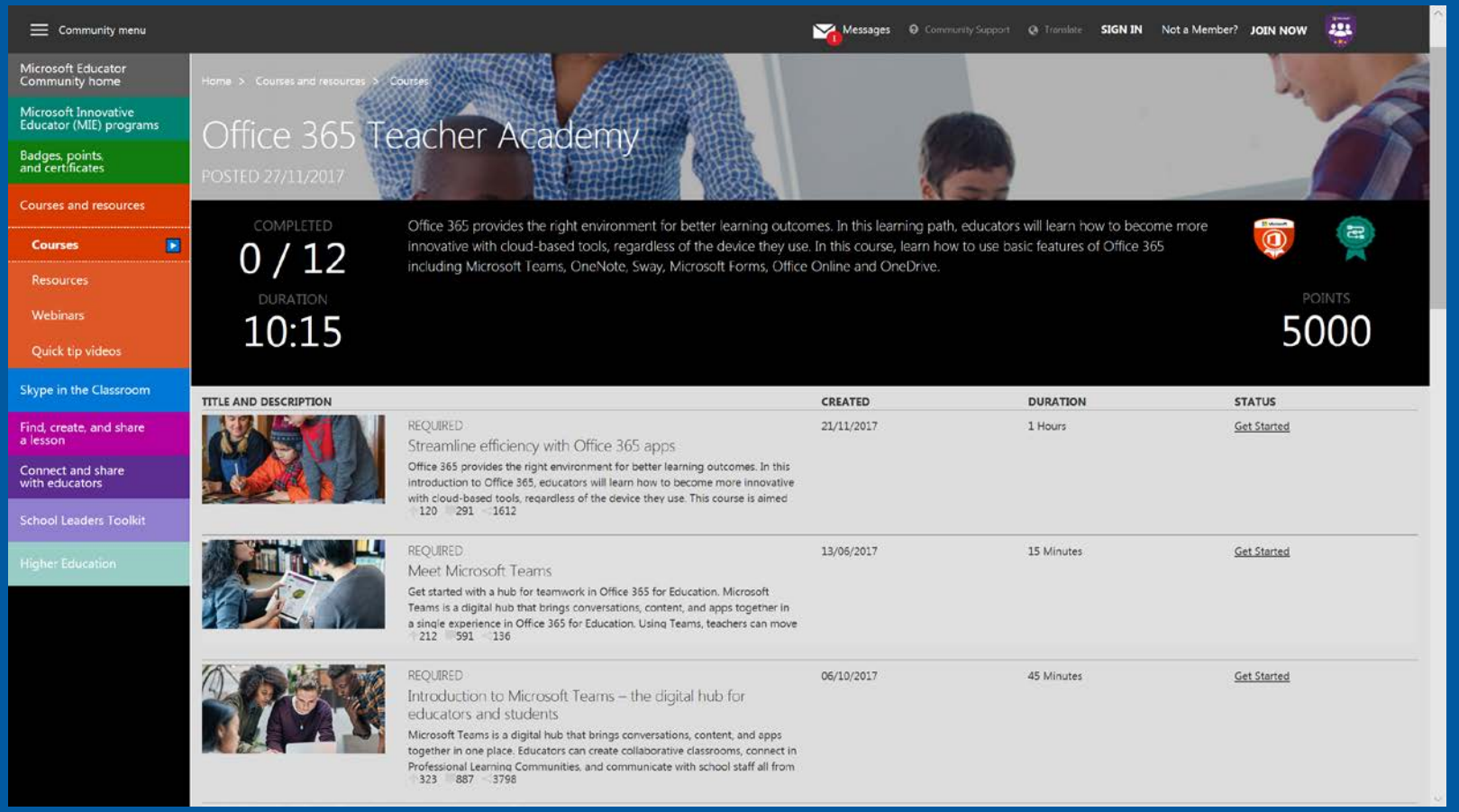
For more about Microsoft's mission, products and services, please visit https://www.microsoft.com/en-gb/education

Click on the images to navigate through the different sections

Microsoft Engagement Programmes for Faculty

Professional Development (CPD): The MEC

- Free scenario based training for educators to earn certificates and badges
- All found in the Microsoft Educator Community also known as the MEC



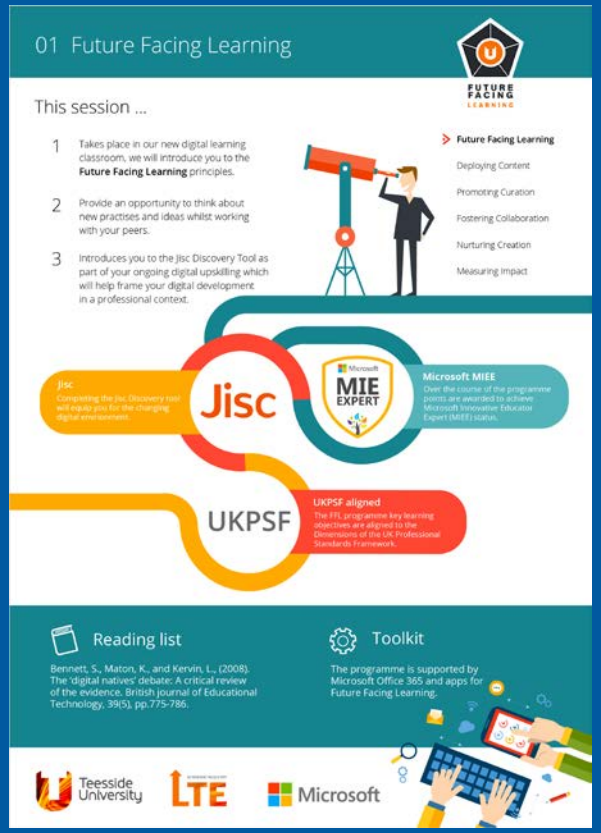
CPD : example courses

- Pedagogy:
  - 21st Century Learning Design
- Teaching and Learning
  - Cultivating collaboration
  - Creating authentic assessments
  - Authoring accessible content
  - A digital hub for faculty and students
  - Integrating OneNote with your Learning Management System
- Saving time, personal productivity
  - Streamline efficiency with Office 365 Apps

CPD: ways of deploying Microsoft courses

- **Grass Roots / Organic**
  Posters, emails, templates to encourage individual engagement

- **Structured CPD**
  Integrating Microsoft Courses & Resources within an institution-wide programme



Professional Development: Navigation

Jisc · MK College · University of Leicester · Microsoft

Designing Professional Development programmes for your college or university

This presentation provides a quick and easy way of finding great professional development resources from Microsoft and understanding how they deliver aspects of the JISC digital capabilities framework. Our goal is to model a progressive pathway for each of the personas found in academic institutions and this first presentation is designed for lecturers, such as Abigail. Clicking on the Bronze, Silver or Gold icons below will take you to a friendly overview of that "level". Hover over the icons in each "postcard" to click through to the associated digital capabilities or to the relevant courses and resources from Microsoft. (Home pages for all the Microsoft resources are here Microsoft)

We hope our collaboration has produced a useful map and navigation for those designing professional development in UK colleges and universities and we'd love your feedback, to help us shape similar overviews for different roles.

Nevin Moledina	Penny Langford	Shri Footring	Clare Riley
Leicester University	**Milton Keynes College**	**JISC**	**Microsoft**

Bronze Silver Gold

We know it can be hard to find the right course or resource so we are experimenting with navigation.

This little model has a bronze / silver / gold pathway where you can see, at a click, which of the JISC digital capabilities are delivered at that level – and which Microsoft resources are ideal for that stage

Hope this is helpful for you

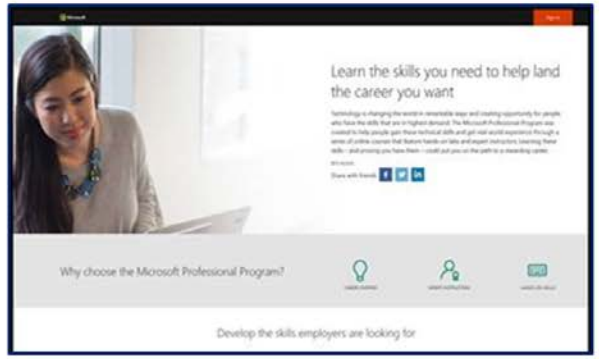
You can also find this information in the MEC at the FE and HE page

Professional Development: other resources

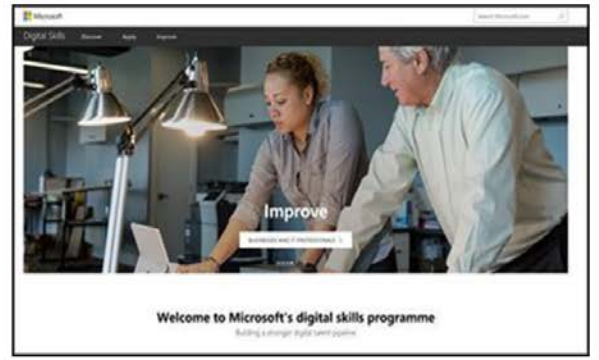
Each of the tiles to the right takes you to the different (free) resources for training and professional skills

The Office Support Centre has videos / info / quick start info for the Office 365 suite

The Microsoft Educator Community has contextual and scenario-based training for educators



Microsoft Professional Programmes - Role-based training for the technical jobs most in demand



Microsoft Digital Skills Programme free courses from basic digital literacy through to advanced cloud technology skills.

Communities and Conversations

In addition to finding relevant training and earning badges on the Microsoft Educator Community (MEC), this is a one-stop-shop for FE and HE to connect and collaborate

HE link – https://education.microsoft.com/HE

FE link – https://education.microsoft.com/FE

Communities and Conversations

Email join@msedu.co.uk to join the HE/FE Yammer community, where the evolving conversations occur and documents are shared.

Blogs & Events

- Global Microsoft Education Blog
- UK Microsoft Educators Blog

Join us at the MS Roadshows across the UK

- Find a roadshow

Information and reflections from earlier Summits

- FE Summit Feb
- HE / FE Bootcamp

Inspirational videos

- A glimpse into the world students will step into productivity future vision
- This Seeing AI video shows the art of the possible today
- This Emma Watch video is a great example of design thinking in practice
- This "Ways to Amaze" SWAY looks at the Microsoft features available right here, right now which have the ability to astonish – eg: the 3D modelling in PowerPoint or QnA bots!

Click on the images to navigate through the different sections

Microsoft Curriculum & Certification for Students

Real World, industry-ready skills

More than **50%** of today's jobs require some technology skills, and experts say that percentage will increase to **77%** in less than a decade

Microsoft can help ALL students acquire the productivity skills and work-readiness they need, whatever career they choose, and offers role-related curriculum in key technical disciplines such as: Artificial Intelligence; Data Science; Front end Web Development, etc

Microsoft Imagine Academy

- The Microsoft Imagine Academy (MSIA) offers productivity and technical curriculum from level 2 to level 7.
- An institution license is required along with affordable certification packages
- For a full overview of the Imagine Academy open the PDF and the website.
- Prodigy offers a deployment and training support package to make setting up and getting started with MISA easy

MSIA Pathways and outcomes

It addresses the divide and bridges needed between education and industry opportunity for students.

MSIA coupled with Certification provides the comprehensive technology training and skills validation solution for educators and students ensuring the next generation is prepared for success.

MSIA Certifications

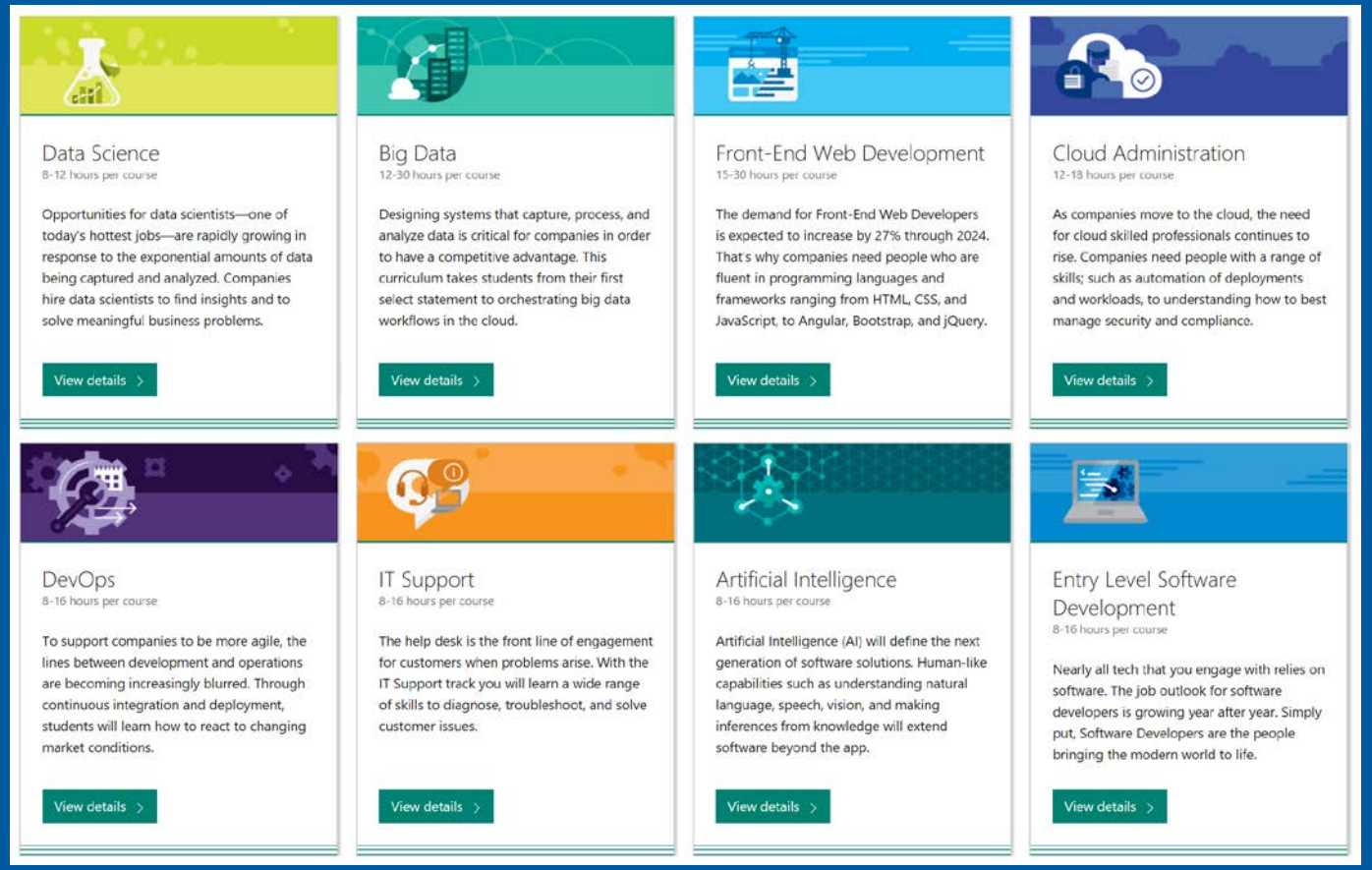
Microsoft's certification programs are mapped to industry job roles and requirements and provide a clear path to success for students.

Certifications can be seamlessly converted to visually appealing badges for display in your LinkedIn profile as verification for employers and others.

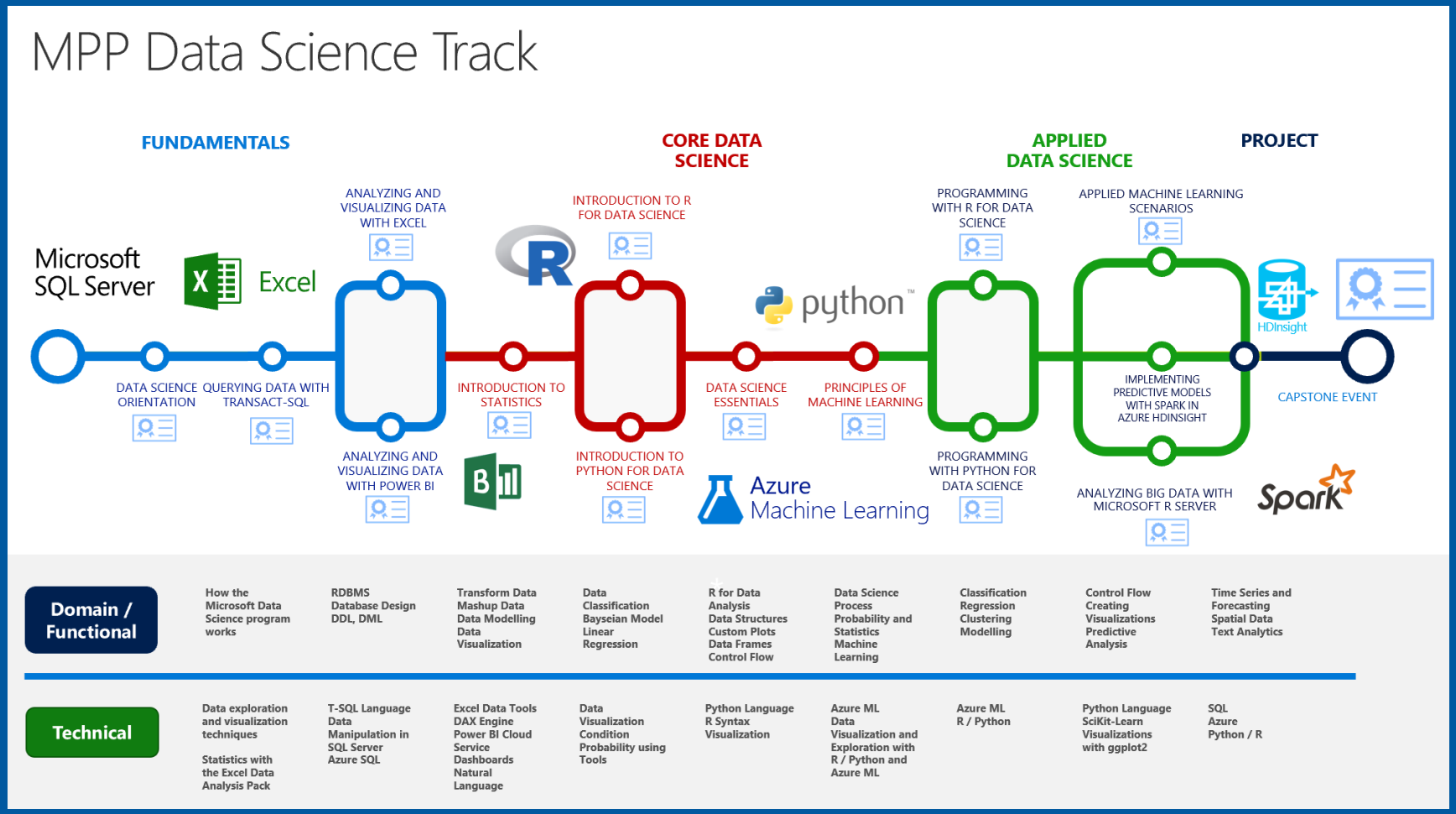
Flash your badge!

Microsoft Professional Programmes

The Microsoft Professional Programmes are role-specific learning programmes, created to help students learn the technical skills most in demand to land the careers they want to pursue



Data Science – an example MPP

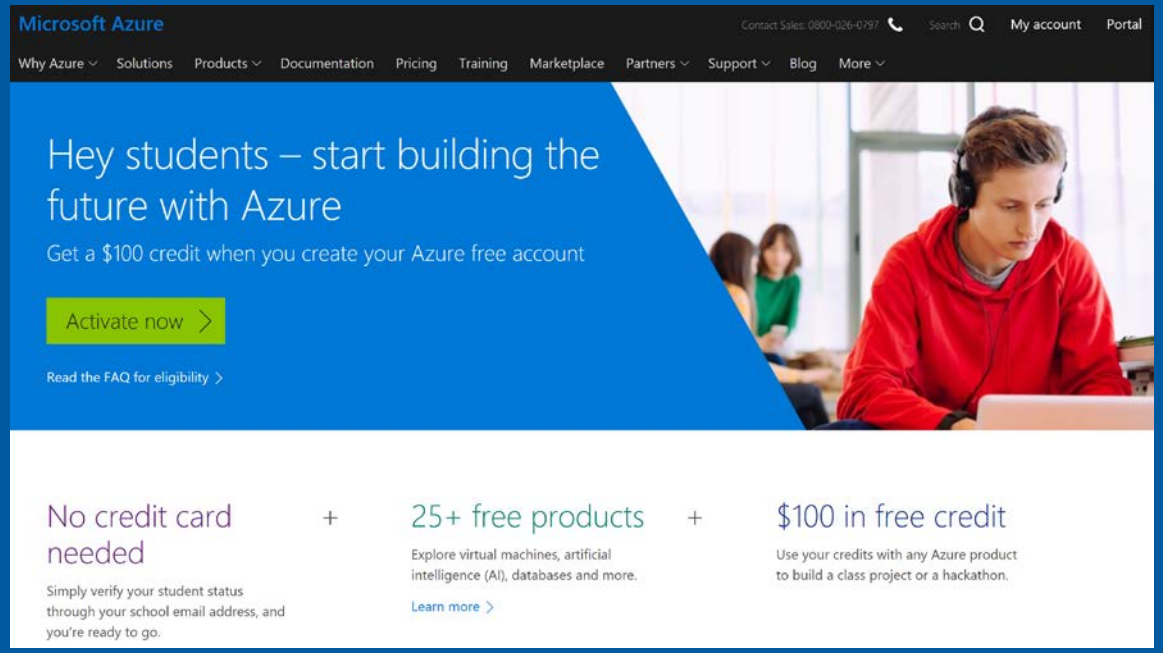


- The MPP Data Science features hands-on labs so you can practice with the tools used by data scientists in the field today
- Tools include both MS and non MS technologies
- Assessments that require more than just memorization ensure that you have mastered new skills

Other Resources: Azure and Intelligence platforms

AI School hands on projects to stretch your understanding

Azure free credits for students



Other resources: tools for success

This brochure has a range of devices and tools for affordable, accessible learning.

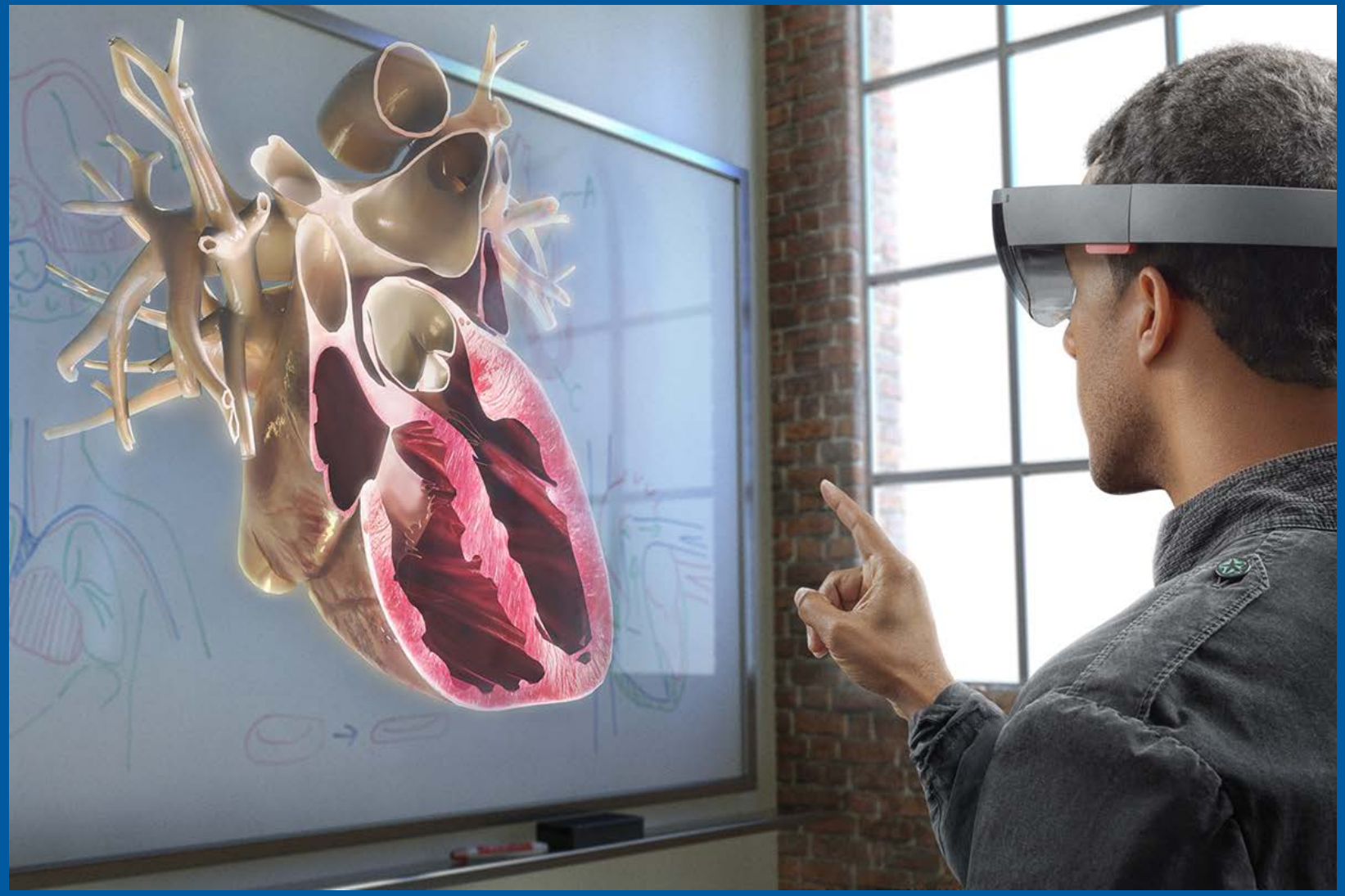
Proven software solutions with affordable devices

Click on the images to navigate through the different sections

Microsoft

Innovation Projects with Microsoft

Innovation Projects with Microsoft



Microsoft has many cutting edge technologies and ideas in development. Do contact us if you've an idea for collaboration

HE & FE Showcases

- Microsoft is developing a proposal for Showcase Colleges and Innovative HE Institutions and will share information as soon as possible

URL for this presentation = https://bit.ly/2tsoCGw

For queries or additional information please contact

- Clare Riley, Engagement Manager, email, @ClareRiley100
- Alan Crawford, HE Learning Consultant, email, @acrawford100
- Kevin Sait, FE Learning Consultant, email, @kevin_sait

Further Education Showcase Session

Sponsored by:

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The College of Haringey, Enfield and North East London

Developing Teachers Digital Skills with MCE

Torcato Coutinho
Head of Teaching, Learning & Assessment
CONEL

The College of Haringey, Enfield and North East London, part of Capital City College Group

on Success

Why did we start our journey?

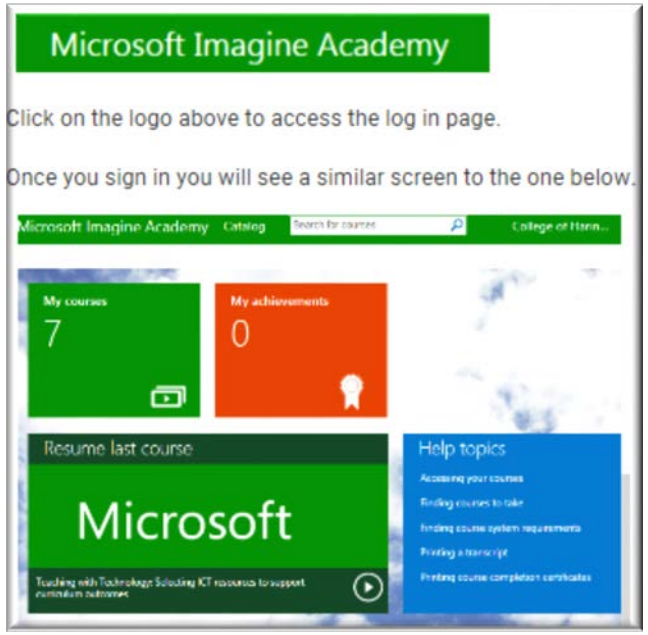
The College of Haringey, Enfield and North East London

How do we develop digital immigrants for teaching digital natives?

Focus on Success

How have we implemented the MCE course and certification?

The College of Haringey, Enfield and North East London



- We have created learning plans through the Microsoft Imagine Academy and given access to all teachers
- Teachers are expected to complete the online modules in their own time
- Certification logged with HR

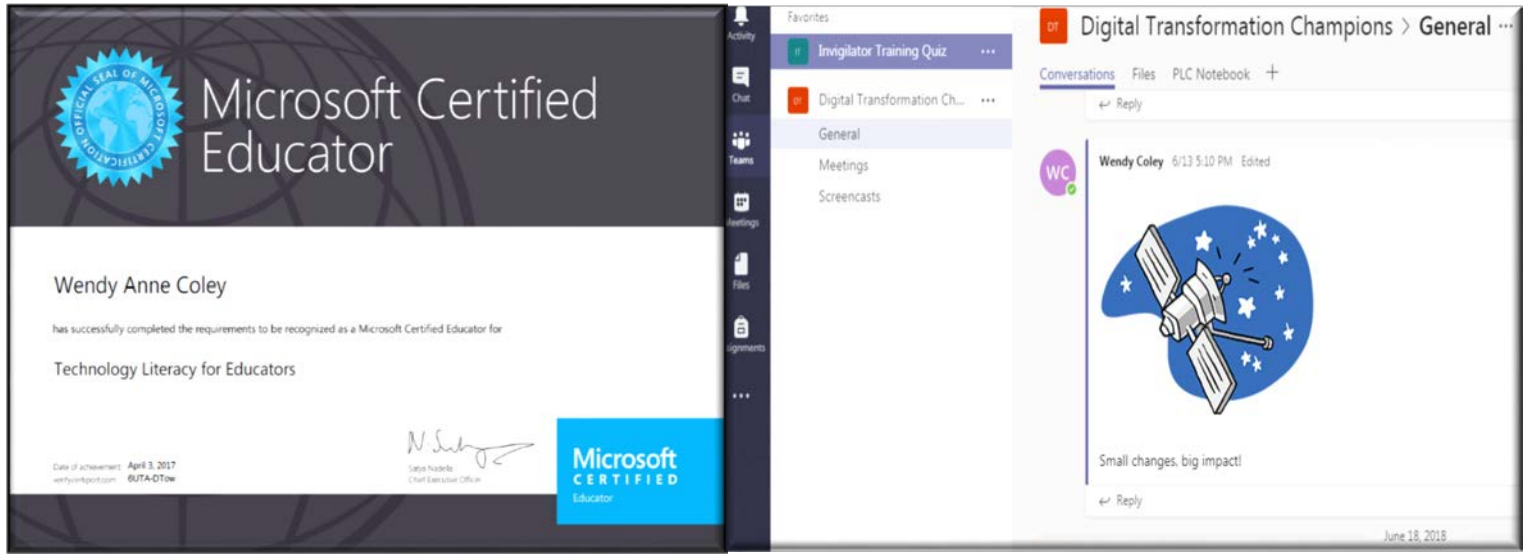
How have we implemented the MCE course and certification?

The College of Haringey, Enfield and North East London

- Rollout of Office 365 to learners and staff
- Staff training during SLD on O365: sharepoint/online collaboration/Sway/Forms/Teams
- Full commitment and investment in staff development

What impact have we seen?

The College of Haringey, Enfield and North East London

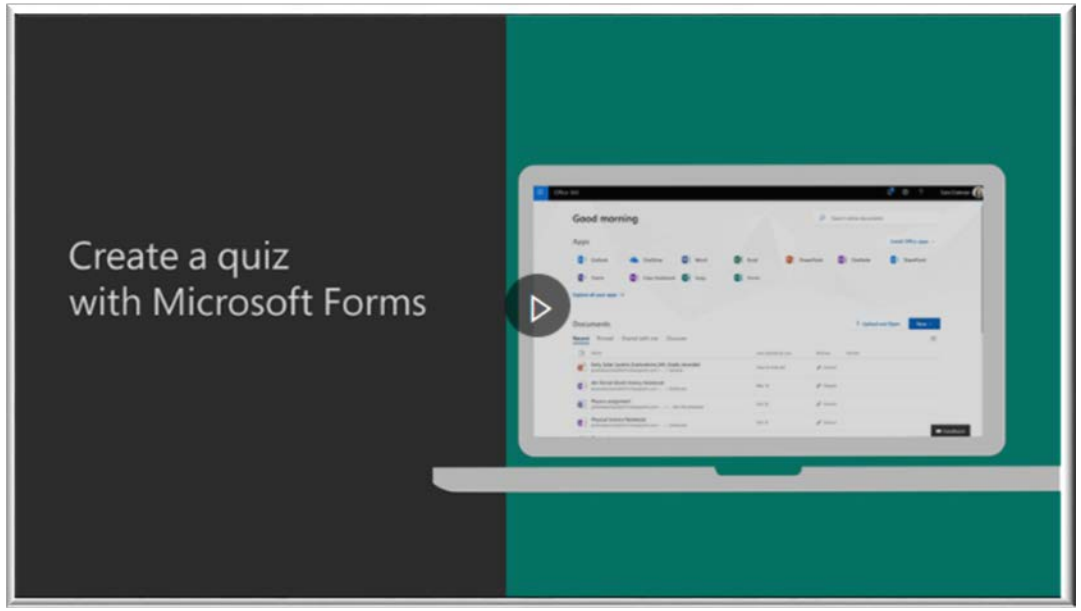


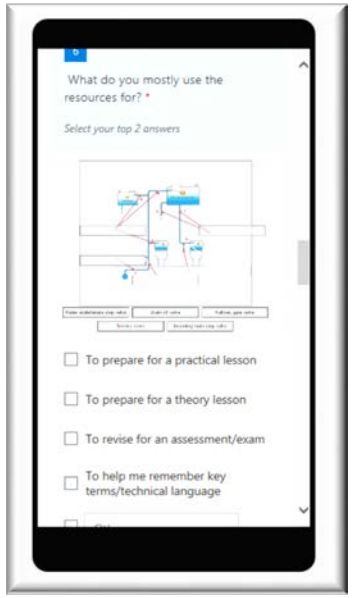
- 50 staff have achieved MCE in the past 2 years
- Increased awareness and above all application of technology in education
- Positive changes to new MCE exam less generic now linked to O365 apps, a more practical application

Focus on Success

What impact have we seen?

The College of Haringey, Enfield and North East London





- Educators are now using O365 applications both for teaching, learning and assessment and admin
- Perceptions of MCE teachers includes increased confidence and productivity levels

Where do we go next?

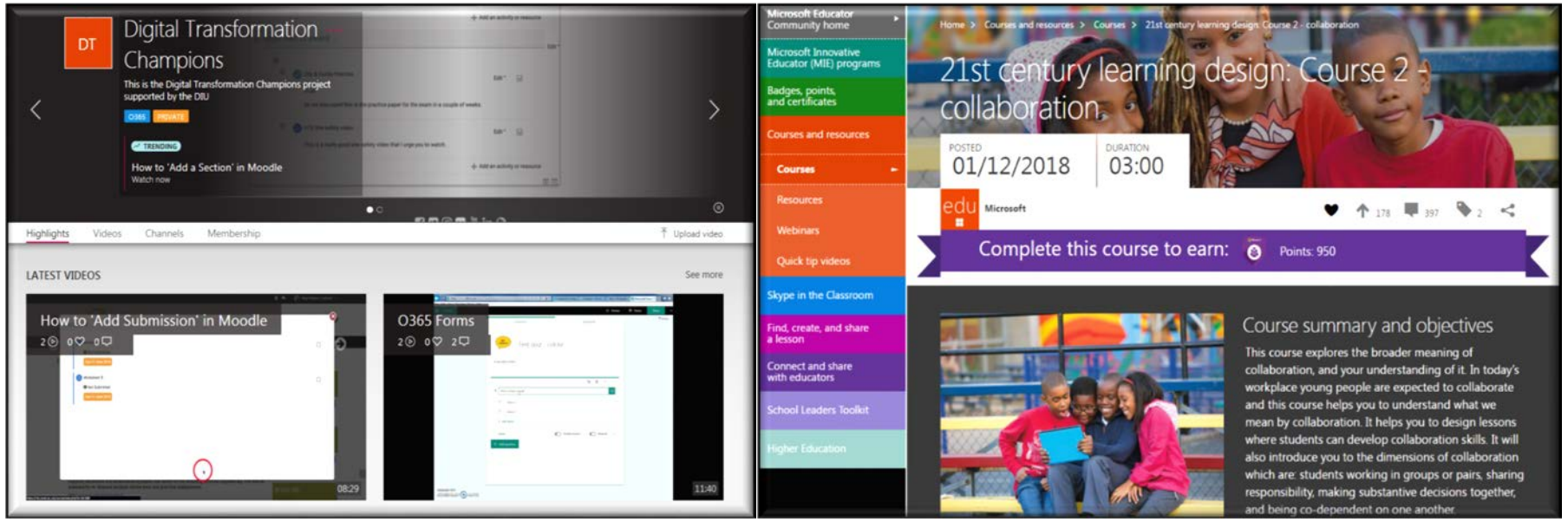
The College of Haringey, Enfield and North East London

- ✓ Full commitment to staff CPD on a range of digital skills with a strong focus on O365 and collaborative applications
- ✓ Currently devising the College's e-Learning strategy and development plan for 2018-2021
- ✓ All teachers to achieve MCE within one year

Focus on Success

Where do we go next?

The College of Haringey, Enfield and North East London

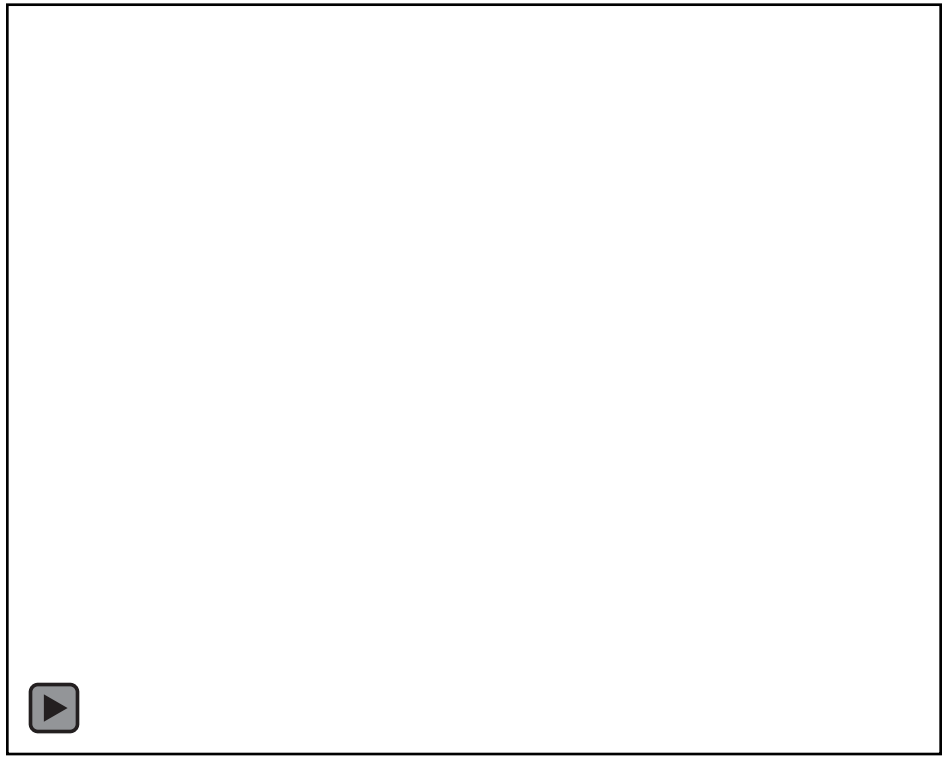


- ✓ Microsoft Learning Community promoted during digital CPD sessions
- ✓ Managers modelling use of apps for example Teams and Streams for a Digital Transformation Champion Project

Focus on Success

Thank you

The College of Haringey, Enfield and North East London



Focus on Success

Further Education Showcase Session

Sponsored by:

Practice Labs

belfast met

Leading the City to Work

Embedding Vendor Certifications in the Curriculum

Peter Doherty

Vendor Certification Manager

1906

Founded in 1906, we have recently marked our **110 anniversary**

Largest College

Largest further and higher education college in Northern Ireland.
The **10th largest** in the UK.

30,184

An average annual enrolment exceeding **30,000**

16,042 students, representing **100** different nationalities

3,300 higher education enrolments, over **95** programmes

£60m

£60 million investment in a **70,000 m2** estate spanning the length and breadth of the city

4

Main campuses across Belfast

1,100

1,100 staff, **£60m** turnover, inject **£40m** into the economy in salaries and wages.

Mission

Belfast Met's mission is to make a fundamental impact on the economic and social success of the city of Belfast and beyond by equipping its people, employers and communities with the education and skills for work

Colleges Northern Ireland

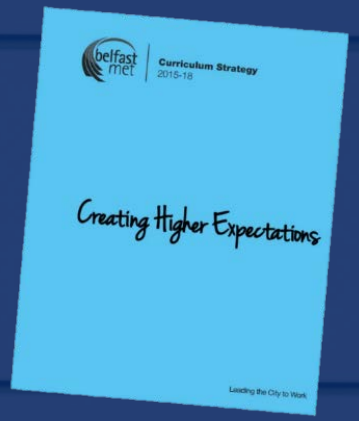
Further Education Sector

Colleges Northern Ireland

Further Education Sector

- NI's main provider of technical and professional education and training
- £260 million turnover per annum
- 82,000 students
- 3,500 lecturers and professional staff
- Support to over 3,000 businesses per year
- 1 in 5 HE students in NI are studying at an FE College
- Broad curriculum offering with increasing focus on Levels 3, 4 and 5

Curriculum Strategy



Integrated approach to meeting the skills needs of learners and employers

- Bridges skills gaps
- Provides school leavers with the skills for work
- **Up-skills** and **re-skills** the existing workforce
- Addresses the need for **mid to higher level skills** (levels 4, 5 and 6).
- Provides **pathways** to further education or employment for those facing the greatest barriers.

Finely tuned to the changing needs of the economy

- In step with evolving sectors and areas of high demand
  - Creative and Digital, Cybersecurity, Data Analytics, Engineering, Leadership and Management, Tourism and Hospitality, Health and Social Care etc
- Employers actively engaged in the design and delivery of the curriculum
- Industry-experienced staff

belfast met

Vendor Certifications

CompTIA

Adobe CERTIFIED ASSOCIATE

AUTODESK Certified User

EC-COUNCIL

CISCO

bcs The Chartered Institute for IT

aws academy

Microsoft Technology Associate

Microsoft CERTIFIED Professional

Microsoft Office Specialist

Full Time Curriculum

- Approx 150 students per annum
- OCR Cambridge Technical Level 3 Extended Diploma in IT. 3 pathways:
  - Networking Infrastructure
  - Software Development
  - Networking Infrastructure specialising in Cyber Security.
- Embedded certifications include:
  - Microsoft Technology Associate
    - Security Fundamentals
    - Windows Operating System Fundamentals
    - Software Development Fundamentals
    - Networking Fundamentals
  - Cisco IT Essentials

Apprenticeships & Training

- Critical to the delivery of the NI Executive's Securing our Success Apprenticeship Strategy
- Dedicated Training and Apprenticeships department
- Provision has been re-engineered to meet current and projected skills demands
- Flexible, responsive, collaborative – an employer-led model
- Feeding demand for higher level skills – HLAs, including Computing Infrastructure and Software Engineering

Apprenticeships & Training

- Approx 100 students per annum
- Level 3 ICT Apprenticeship with OCR Cambridge Technical Level 3 Technical Diploma. 2 pathways:
  - Network Infrastructure
  - Software Development
- Embedded certifications include:
  - Various Microsoft Technology Associate
    - Network Fundamentals
    - Software Development Fundamentals
    - HTML5 Application Development Fundamentals
    - Security Fundamentals
    - Windows Operating System Fundamentals
  - CompTIA
    - Network+
    - Linux+ Powered by LPI
  - Cisco IT Essentials

Apprenticeships & Training

- Approx 80 students per annum
- Higher Level Apprenticeships (with embedded Foundation Degree)
  - Computing Infrastructure
  - Software Engineering
  - Cloud & Application Development
  - Cyber Security
- Embedded certifications include:
  - MTAs as a ‘bootcamp’
    - Software Development Fundamentals
    - Security Fundamentals
    - Windows OS Fundamentals
  - CompTIA Security+
  - BCS CISMP
  - Amazon AWS
  - CompTIA Network+
  - Cisco CCNA
  - Cisco CCNA CyberOps

Industry Involvement

Assured Skills Academies

Award-winning Assured Skills Academies

Successfully pioneering new approaches to bridging skills gaps at higher levels

- Data Analytics
- Financial Services
- Human Resources
- Cyber Security
- Digital Animation
- Export Sales & Marketing

Helping companies

deliver high quality jobs

- Deloitte
- PwC
- Diageo
- Alexander Mann
- FinTrU

Tapping into the city's talent pool

Graduate-conversion programme

Assured Skills Academies

30

Academies

600+

Graduates

93%

of Belfast Met participants secure **good jobs** in **growth sectors** upon completion.

Assured Skills Academies

Cyber Security Academy

- 16 students on intensive 12 week programme
- Variety of backgrounds from ex traffic wardens to degrees in non-IT disciplines
- **100%** pass rate
- **95%** progressed either into employment in the industry or progressed onto a higher level Academy programme to deliver Cyber Security Analysts supported by Price Waterhouse Cooper & Black Duck with guaranteed employment upon successful course completion.
- Various vendor certifications delivered as part of the programme including
  - Microsoft Technology Associate Operating System Fundamentals
  - Microsoft Technology Associate Security Fundamentals
  - BCS Certificate in Information Management Security Principles
  - Linux
  - CompTIA Security+

Challenges

Student Buy-in

Converted when they realize vendor certifications **will differentiate them in the workplace** and provide them with **validation** of the **valuable skills** they have learned

Resources

Limited physical resources to provide learners with **vital hands-on experience**

No access to physical resources **outside of class time** or at home

Practice Labs

LearnKey®

Exams

Many students **first time** sitting a computer based exam

Particularly an exam under **Pearson Vue regulations**

measureUp™ A MEDIA INTERACTIVA BUSINESS

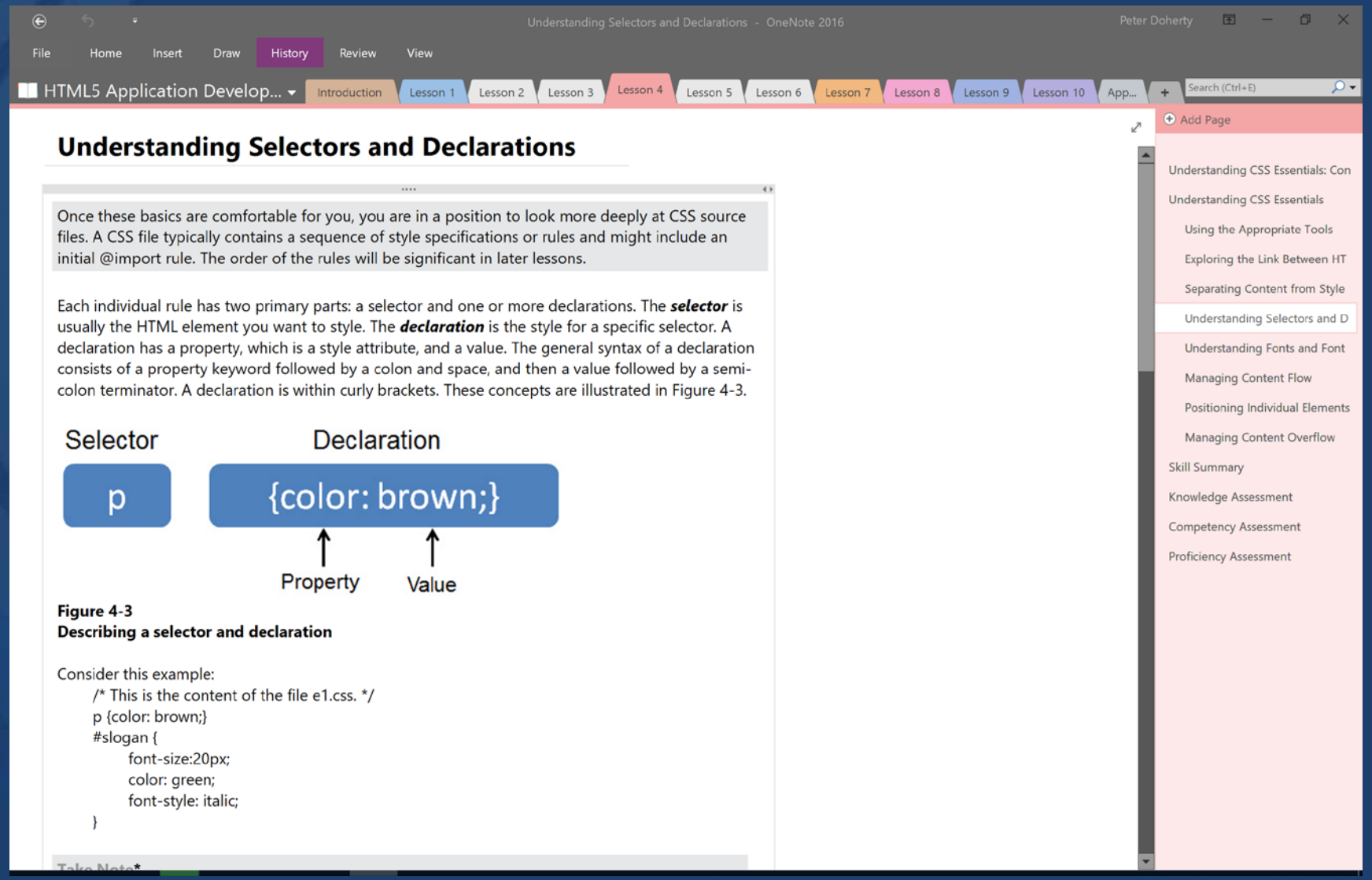
G METRIX

belfast met

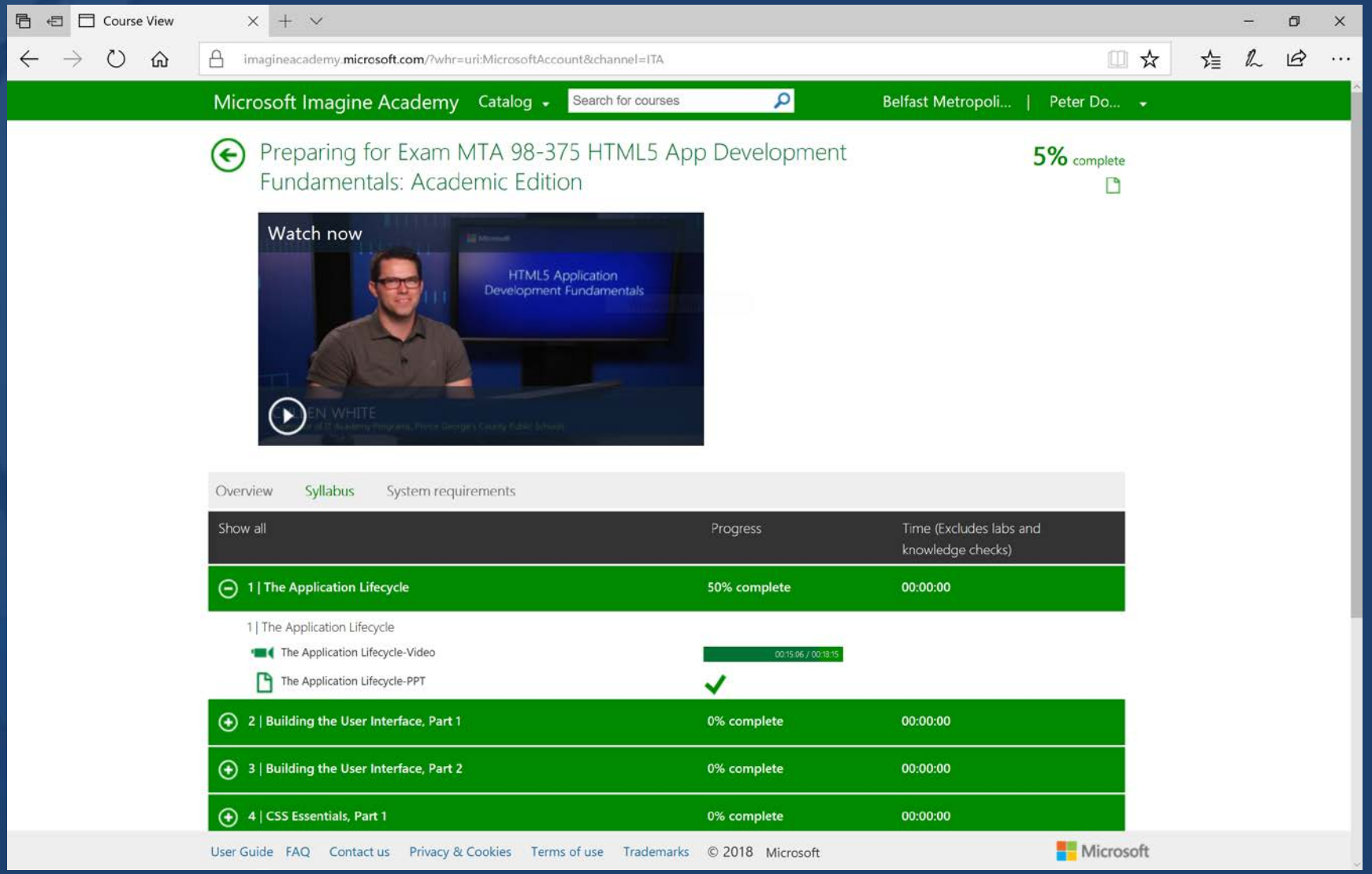
Demo

Practice Labs

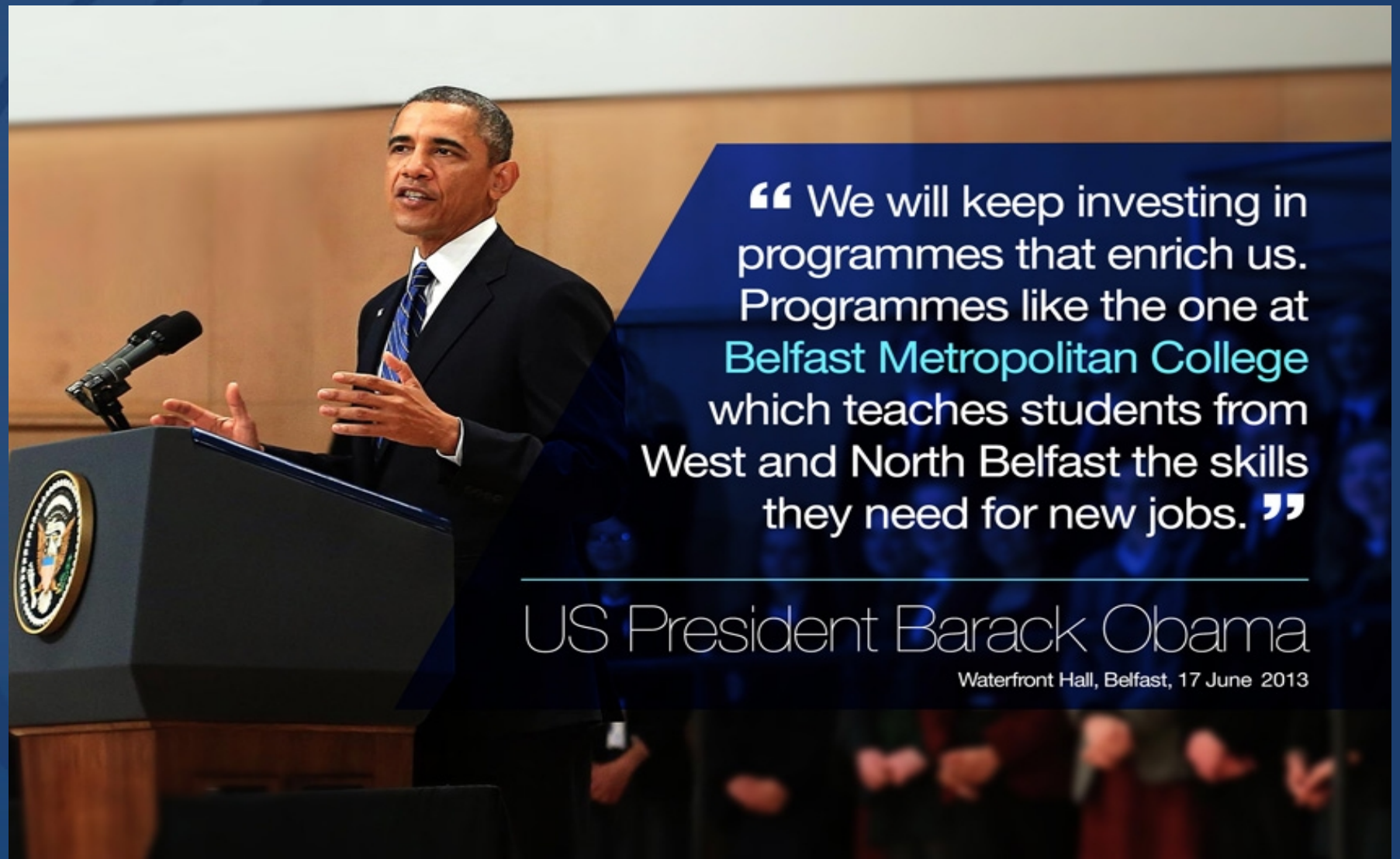
Microsoft Imagine Academy



Microsoft Imagine Academy



Presidential Approval



Thank You!

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