

Fujitsu World Tour 2019

Fujitsu Innovation Gathering



shaping tomorrow with you

Human Centric Innovation

Driving a Trusted Future

The Big Question?

Can we address the digital skills challenge?

Our speakers today

Ash Merchant - Fujitsu Director of Education

Ian McCormick - Director of IT, Derby College

Pat Carvalho - Principal - Harrow College and Deputy CEO at HCUC

Jacqui Garrad - Managing Director at Bletchley Park Science & Innovation

Digital skills and why it's important



Recent research* found that a
skills gap could cost the UK
£141 billion in GDP growth

*www.consultancy.uk

Why are facing this challenge?



- Technology and the digital era is moving at an unprecedented pace
- People don't have access to the right resources
- The education sector is no different.

A digital skills gap within Education



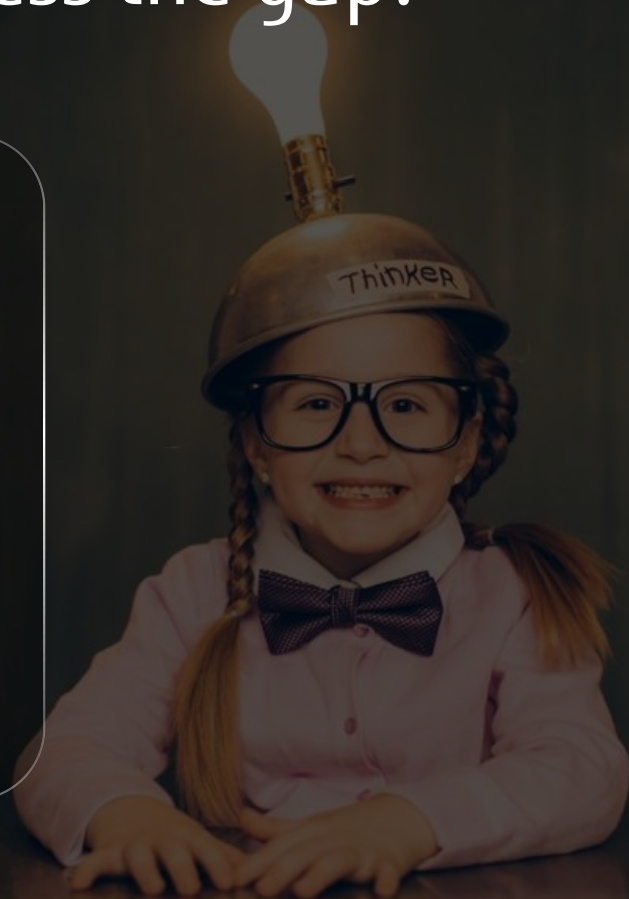
- Teachers have strong ambitions
- However 50% have find hard to keep pace*
- It not just teachers 11.3 million** adults in the UK do not have the full range of basic digital skills.

*Fujitsu Research Maps Out Road to Digital Learning

** www.gov.uk/government/news/adults-to-benefit-from-digital-skills-overhaul

How do we start to address the gap?

- It starts in the classroom
- We need to inspire young people
- To do this we need to support our teachers



We must empower the teacher



Fujitsu's first step to supporting our teachers



Inspiring young people

FUJITSU



Digital Champions

A collective responsibility

Government has a responsibility

Technology companies
have a responsibility



Fujitsu Digital Champions

Ian McCormick, Director of IT
Derby College

Digital Transformation

Business-model or
process
transformation



Transforming staff and
learner experience



Digitalising business
operations and processes



Curriculum development
and innovation



Why create Fujitsu Digital Champions?

Challenges:

- Strategic objectives – innovation in the classroom, embedded technology for teaching
- Laptop trolley logistics – not being put in the right trolley, not being plugged in to charge up for the next person, faults not being reported
- Investment in the classroom of the future.

Benefits – DCG, Students, Fujitsu

- **Collaborative working** – Project based work with mentors and support from ILT and IT
- **Digital Skills** – Embracing technology and having an insight into emerging technologies from Fujitsu and at events and understanding what Fujitsu do
- **Digital Influencer** – Fujitsu digital champions recruited as advisers and advocates within the teaching teams
- **Free Laptop** – Enrichment project funding and Fujitsu sponsorship enabled us to issue 6 laptops to the champions
- **Laptop performance and utilisation** – Improvements to the utilisation and in-class performance of the laptops was key to building up trust and confidence that they would work. Fault-reporting improvements.

Laptop maintenance

DCG Fujitsu Digital Champions—Logging a call (End user)

End user experiences an issue with a laptop, so scans the QR code on the laptop trolley with their mobile device



URLs take the format
`www.derby-college.ac.uk/qr_job/ID`
so they can easily be generated by IT

IIS redirect rules redirect the user to the 'Report a problem' PowerApp, passing the ID of the laptop trolley

Report a problem
PowerApp

Report a problem

Please provide the asset number of the affected device and a description of the problem.

Asset ID

Description

Send

PowerApp authenticates user and saves this in the call

Details

Summary
Laptop QR Request for HE General Use Laptop Trolley

Description
Space bar key missing (Specific asset: 22382)
(Reporting user: example@derby-college.ac.uk)

Site
Roundhouse

Category
Hardware->Digital Champion

Assets

HE General Use Laptop Trolley
Type: Laptop Trolley
Class: computerPeripheral
Tag: DC026082

Microsoft Flow creates an unassigned call linked to the asset in Hornbill, via the API and a bespoke Hornbill business process


Microsoft Flow queries the Hornbill API for the location of the Asset, and passes this to the Digital Champions SharePoint list

The Digital Champions SharePoint list is filtered to show each Champion only calls relating to their assigned devices, showing location and asset information for each problem, and a link to update the call

IncidentID	Asset	Description	Location	Building	Room
IN00049198	HE General Use Laptop Trolley	Space bar key missing (Specific asset: 22382)	Roundhouse	Stephenson	S206
IN00049199	HE General Use Laptop Trolley	Damaged screen (Specific asset: 22660)	Roundhouse	Stephenson	S206
IN00049200	HE General Use Laptop Trolley	Two keys missing (Specific asset: 22581)	Roundhouse	Stephenson	S206
IN00049247	DC022108	We can't sign you in with this credential because your domain isn't available. Make sure your device is connected to the Internet. (Specific asset: 17660)	Joseph Wright Centre		IT Storage

Laptop maintenance escalation

DCG Fujitsu Digital Champions - Updating a call (Champion)

 Following the update link against a job in the SharePoint list will take a Digital Champion to a Digital Champions only PowerApp

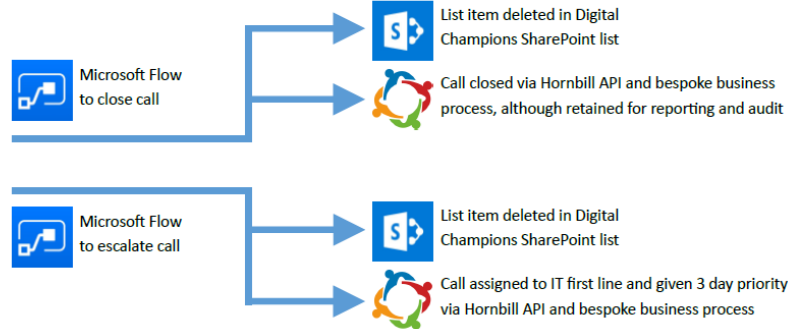
Update Call

Please provide details of the actions you have taken. If the issue is now resolved the call can be closed. If the issue cannot be resolved please escalate the call to ICT.

Close Call

Escalate Call

Each button will call a Flow, passing the current Digital Champion, the call ID and the details of actions taken



Impact

- **Collaboration** – Advertising campaign to raise awareness of their role and the initiative
- **Projects** – Kacper presented a plan for a DCG app, which we expanded upon and created a strategic options paper that received Exec support and we now have an app to be launched this September
- **Laptops** – faults get reported, the utilisation of the laptops increased, staff confidence is higher
- **Brand awareness** – The students know about Fujitsu, they understand the impact an IT company can have in industry, they've seen how technology can drive innovation and change.

Digital Champions





DCG

FUJITSU

DIGITAL CHAMPIONS

Conclusion

The project has been successful.

Learning curve for all involved and a rigorous framework is required to ensure that the BAU doesn't get in the way and detract from the student experience.

We need more of them.

Delivering Future

Pat Carvalho, Principal
Harrow College and Deputy CEO at HCUC



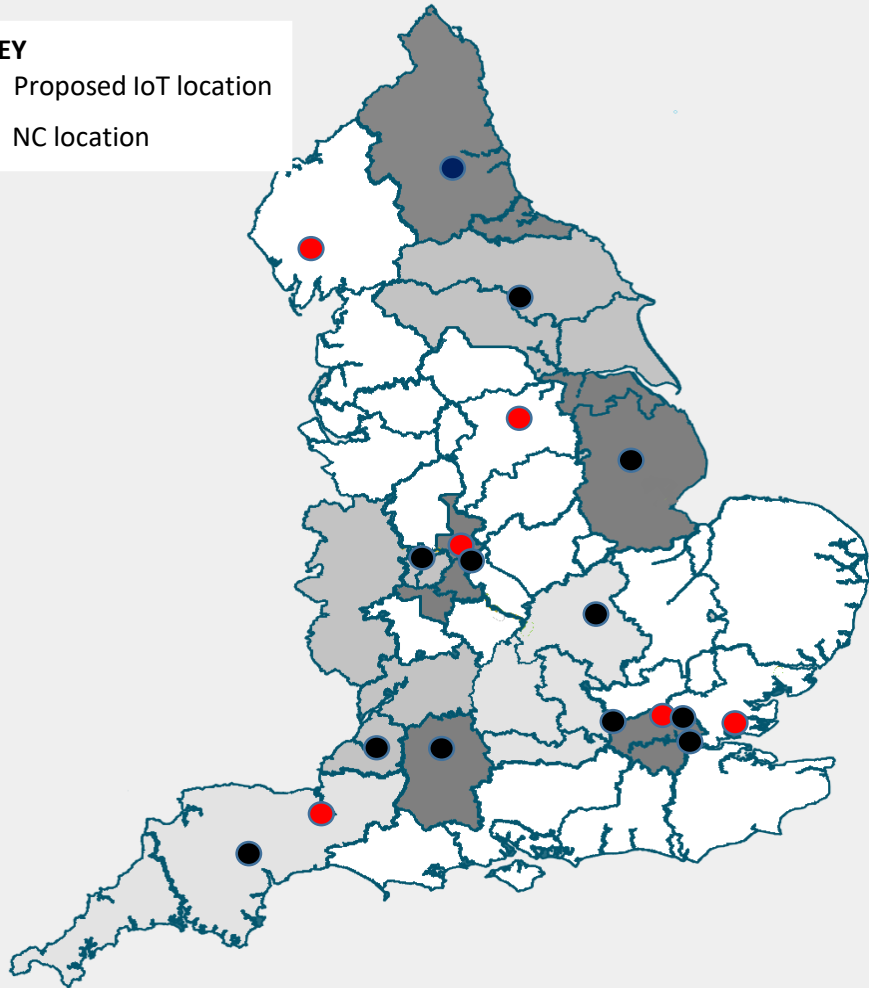
West London Institute of Technology Delivering Future Higher Level Skills



KEY

• Proposed IoT location

• NC location



Vision

Department of Education

A prestigious and high-quality employer-led institution delivering higher level technical education with a clear route to high skilled employment

By Year 5 have a total cohort of 1000+ new **learners**...

...substantial growth in **digital**, engineering and construction

...including growth in **apprenticeships** at all levels.

Around **67%** of learners will be studying at **L4/5**, **13%** at **L6+** and **20%** at **L3**...

... with **taught** (classroom) provision accounting for about **80%** and **apprenticeships** the remainder...

...CPD to be developed further...

Vision

West London Institute of Technology

At the heart of this entrepreneurial employer-led IoT will be the concept of digital skills and 'design engineering' incorporating a multidisciplinary approach to develop the future skills of individuals to enable them to work for and solve real world problems for employers to improve productivity and add economic value in west London and London.

- To significantly increase the number of learners with higher level technical skills, which are crucial to national, regional and local productivity growth
- To attract a wide range of learners to maximise the social as well as the economic impact of this new type of institution
- To improve the occupational competency of learners to meet the needs of employers now and in the future
- Create a prestigious and distinct identity
- Work collaboratively to harness the assets, resources and expertise of employers and FE and HE providers
- Be financially viable and resilient

Aims

West London Institute of Technology





How will this IoT be employer-led

"Strong employer engagement in governance and leadership as well as the design and delivery of the curriculum" – Department of Education

Employer-led approach



West London Data: Qualification Level Ranking
by **Annual** Openings 2015-2022

	L4+
ICT Practitioners & Users	1517
ICT for Users	173

Employer Skills Survey 2017 data on skills
shortages in London

	%
Vacancies across digital are SSVs	32
Upskilling employees' digital skills is a medium or high priority for businesses	73

Curriculum

West London Institute of Technology

33%

Engineering

52%

Digital

15%

Construction



Curriculum

West London Institute of Technology

Apprenticeships, Full and Part-time Programmes



Digital

- Delivering programmes with units modified to meet employer needs
- Core Skills delivered across all programmes
- Opportunities for applied research for employers
- Use of technology to deliver programmes



Key Performance Indicators

West London Institute of Technology

- Sector Employment
- Career progression
- Higher Education

Digital Skills through Fujitsu Innovation Hub

Jacqui Garrad, Managing Director
Bletchley Park Science & Innovation

A close-up, slightly blurred photograph of several yellow and red computer rotors, likely from a Colossium machine, arranged in a row. The rotors have circular faces with letters and mechanical components.

Housing the worlds largest collection of working
computers ranging from the 1940's to the present day

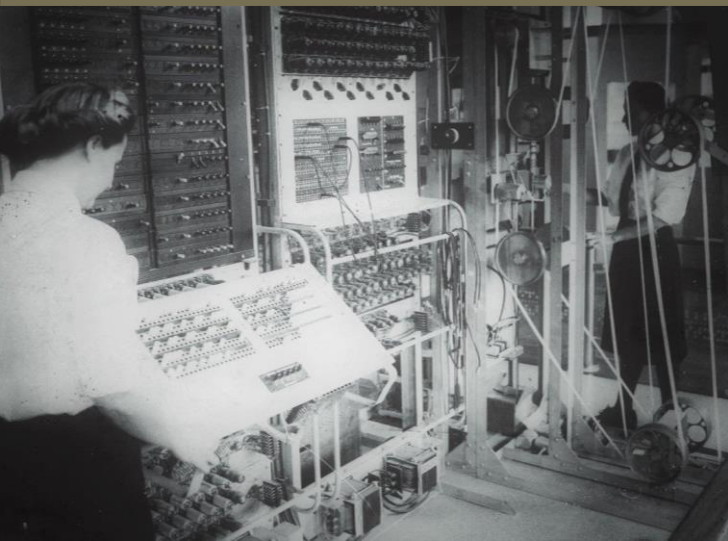


The National Museum of Computing

- Housing the world's largest collection of working historic computers including:
 - World famous code-breaking machines
 - The world's oldest working programmable computer
 - Fujitsu's heritage in the Large Systems Gallery
 - Examples demonstrating the rise of personal computing
 - Examples demonstrating the rise of mobile computing and the internet

We use examples our digital heritage to help develop skills and inspire people to work towards a better future

One of England's top 100 'irreplaceable places'



Fujitsu Hub – The impact

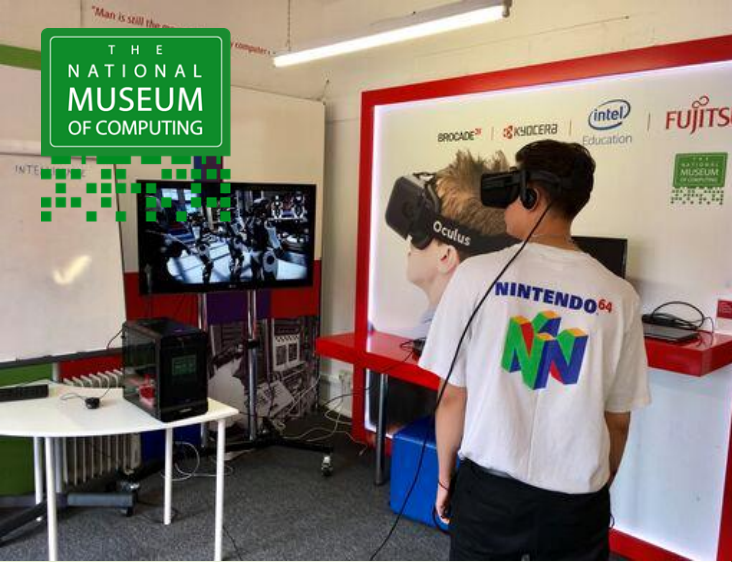
- The difference you have made since July 2016:
 - 30,000 general visitors
 - 15,000 students in the education programme
 - 12,000 corporate visits
 - 15,000 Family learners

The hub has also helped
us facilitate and support:

- Sponsors, groups and partners
- Overseas education visits
- PHD Student sessions

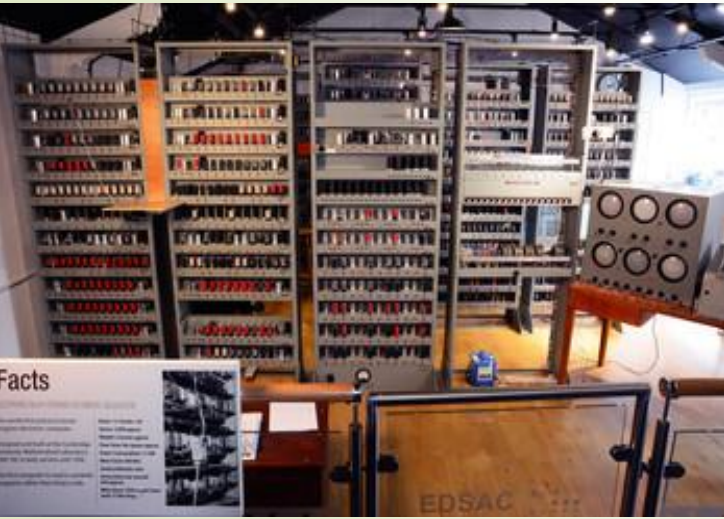
www.tnmoc.org





Fujitsu Hub – digital skills for the community

- STEM Bytes
- Teacher Training
- Home Educators' Days
- Corporate Events and Challenges
- Lectures
- Members Days
- Volunteer Days





Investing in the future

Education Programme Revamp

- New additions to the collection
- Renewing our links to the curriculum
- Hands On
- Building on our 'Greatest Hits'

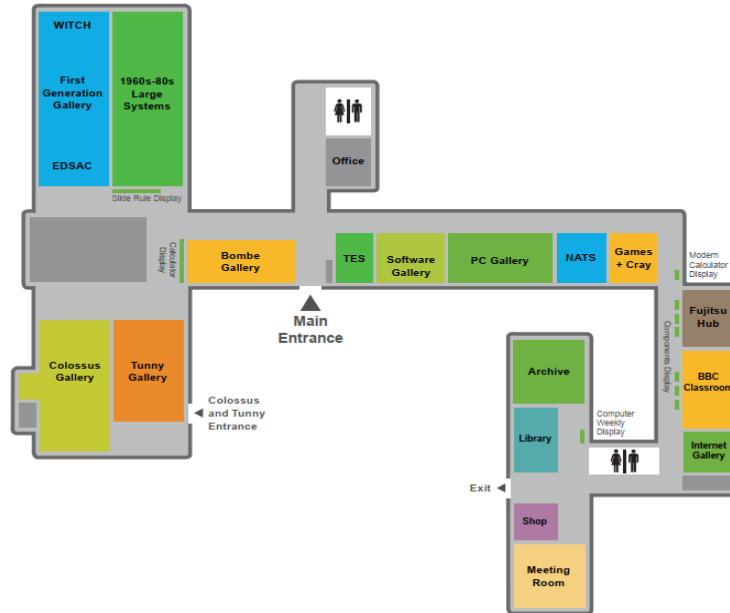


Powering the Past: Fueling the Future

- A full computer science day
- Themed Tours
- Hands on Workshops
- Big Numbers, Great Ideas Maths Investigation Day
- Afternoon Visit
- Mission: STEM

Plan of The National Museum of Computing

"It's like a Tardis ..."





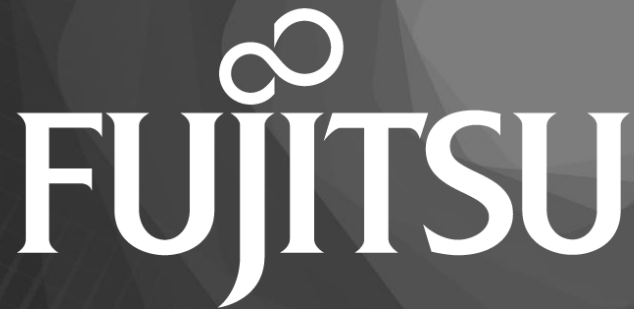
We look forward to welcoming
you to our fabulous museum

www.tnmoc.org

Up next...

15.30 – 16.15

Breakout Session 3 or a visit to the Demo Center



shaping tomorrow with you