Engage, Educate, Inspire & Retain

Barclays

November 2019
Session QH

Agenda

- Who we are
- Overview of the apprenticeship
- What we talked about last year
- What do our school sessions involve
- Why should you go into schools
- How do you get involved with schools

IT background

Career plan before

Our perception of the mainframe now

Who We Are

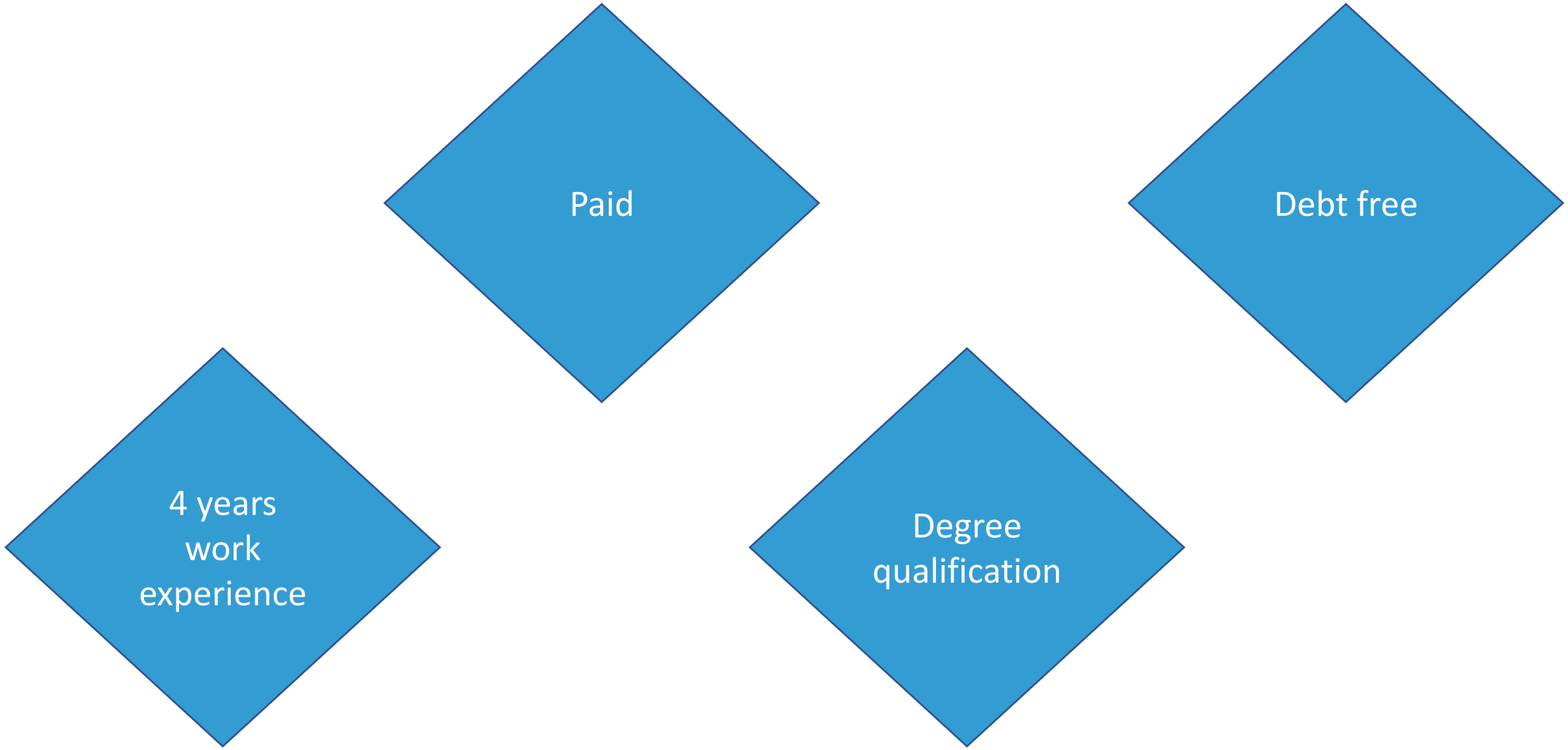
What we want to achieve with this initiative

Our perception of the mainframe before

Overview of the Apprenticeship

- 4 year Technology Solutions Degree
- Working full-time
- Study part-time
- Mainframe / Business / Technology related subjects
- All pathways can be related to your current job roles
- Funded degree

Why a Mainframe Apprenticeship?



This time last year

What is a computer?

A thing to research stuff on

A device that you can use electronically to programme or search websites

An electrical device like an iPad, phone or obviously a Laptop/PC kinda thing

It’s an electronic item which you do work on

A working device

A sort of artificial intelligence

What do we use a computer for?

To research , play games on and watch films

Searching the web, making documents, sending emails and creating codes

To go on the internet to find out information

To go on the internet to find out information

Internet access

Getting lots of information

Information

If you had a stick you collect data on it like a spy like James Bond!

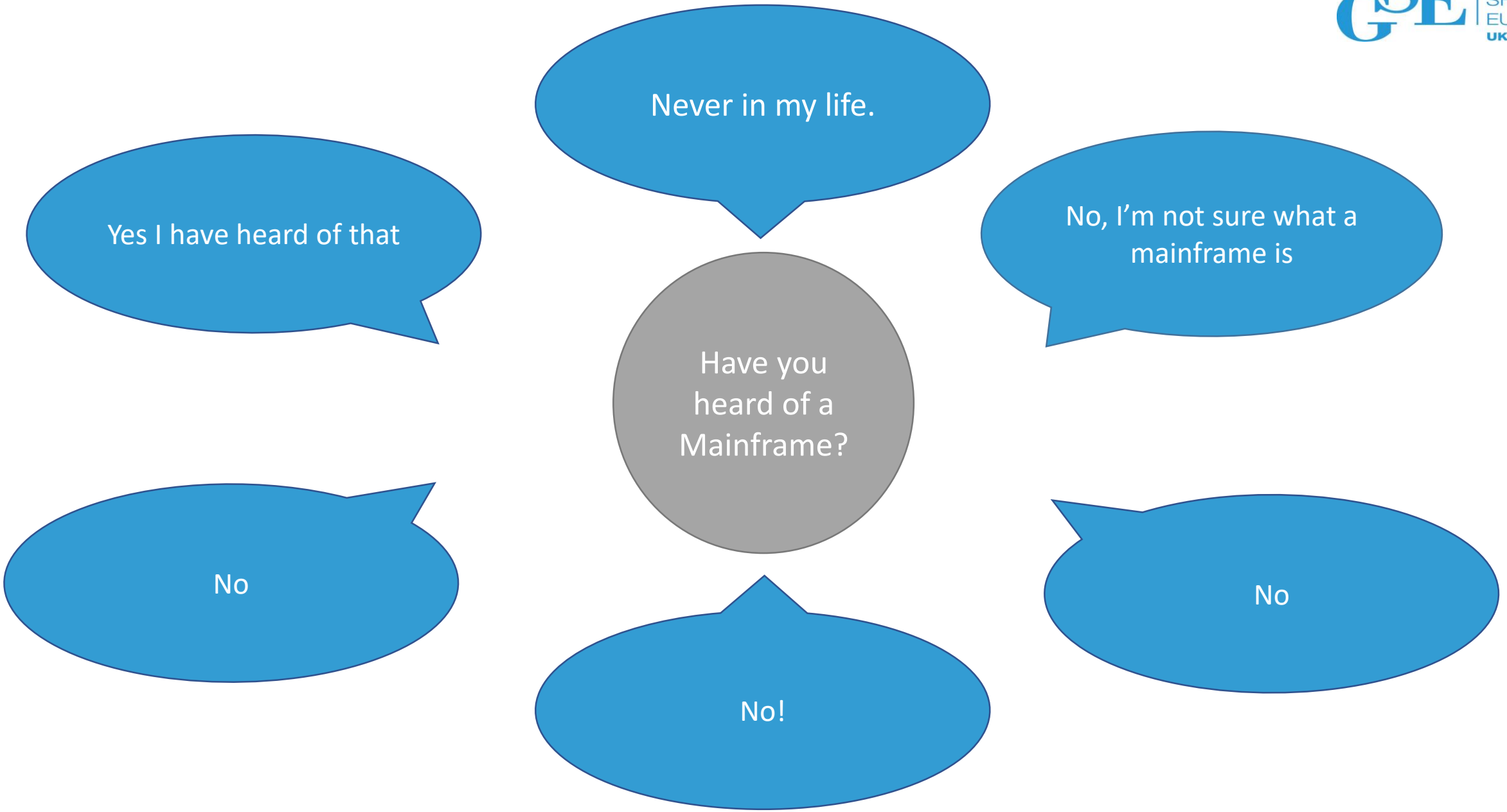
Data is research

What do you think when you hear the word ‘Data’?

Data being what you use up when you’re not connected to WiFi, or data as a database, as in where data is based at?

Storage, information and 4g

Access internet when not at home



A lion mane on a frame?

I am pretty sure it's a piece in the monitor that helps work the computer

The part of the computer you use the most?

What do you think a Mainframe is?

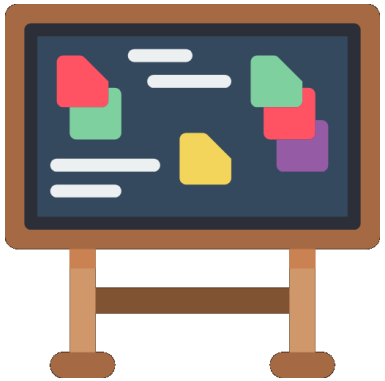
Frame around the monitor?

Something that you hang up on the wall

The frame around the screen

What did we find out?

- Children know key words related to technology such as ‘Data’ and ‘Computers’.
- Most have never heard the word Mainframe before – yet all have ICT lessons at school
- There is a lack of knowledge and awareness of what a Mainframe is or does



Challenges in the Industry

- Ageing workforce

- Encourage women into technical roles

- Stigma around the mainframe

- Limited knowledge or awareness of the mainframe in all age groups

What are we doing to combat these issues

School Outreach

- We reached out to 5 schools in our local area (Cheshire)
- Promote awareness of mainframe technology
- Educate students on programming languages used on the mainframe
- Drive forward careers in mainframe
- Liaise with teachers to find the most appropriate way of educating the students and furthering their knowledge

THE PLEDGE
CHESHIRE AND WARRINGTON

GSE GUIDE SHARE EUROPE UK REGION

Putting **employers** at the heart of **inspiring**, informing and communication with the next generation in Cheshire and Warrington

- Aims:
  - Encourage the next generation to join apprenticeships
  - Replace our ageing highly skilled workforce by 2025

- Why us?
  - Opportunity to develop a local talent pool
  - Ensure employers and educational institutions are informed through a coherent programme
  - Ensure young people are getting information they need to make informed decisions about what they will study
  - Support the improvement of the overall quality of education by ensuring the curriculum meets the needs of the local employers

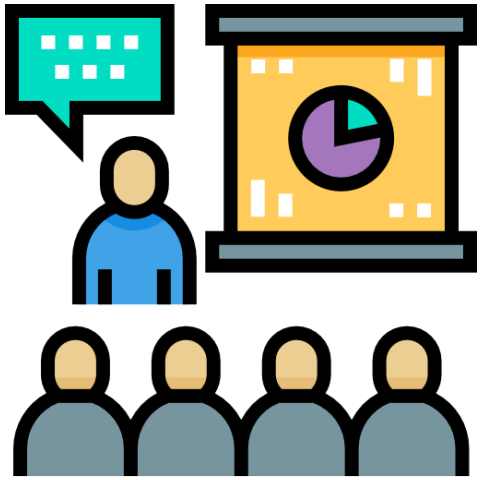
Who are we targeting?

- Anyone interested in computing
- Individuals that express an interest for Mainframe
- Individuals interested in technology apprenticeships

What do the school sessions involve

Presentation

- Job roles within the Mainframe sector
- Mainframe awareness
- How the mainframe supports banking
- Mainframe apprenticeships



Mainframe

Encrypts 100% data

Can process up to 30 billion transactions per day

Late 1950's

Run up to 8,000 VM's

Supports multiple operating systems

Resilience 99.9999% uptime

INTRODUCTION TO REXX

Workbook and Exercises

02/07/2019

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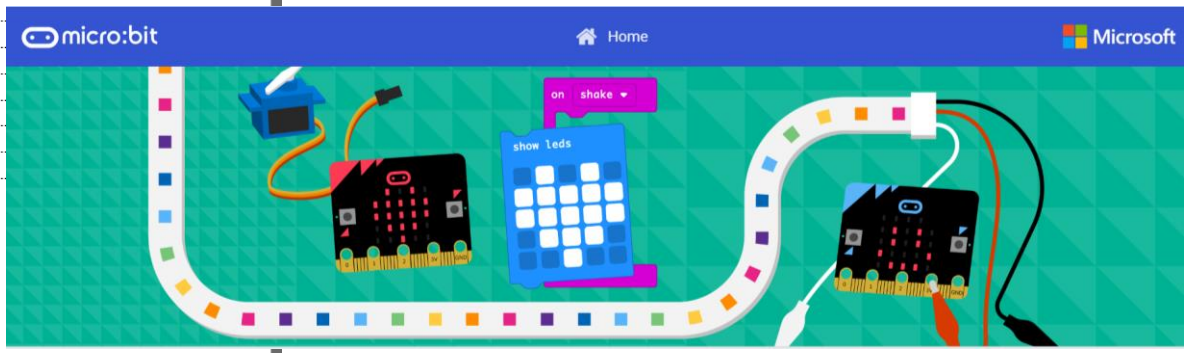

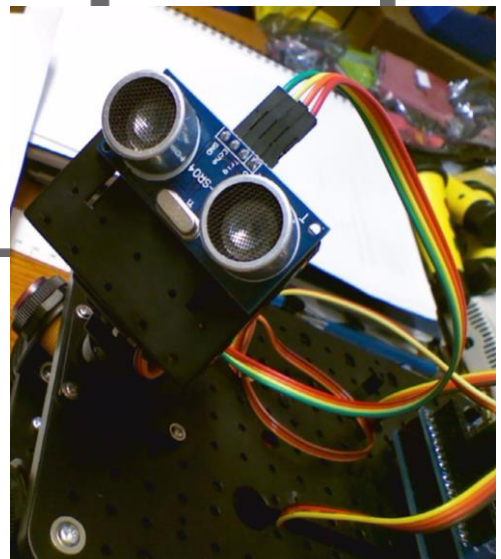

INTRODUCTION TO COBOL

Workbook and exercises

02/07/2019

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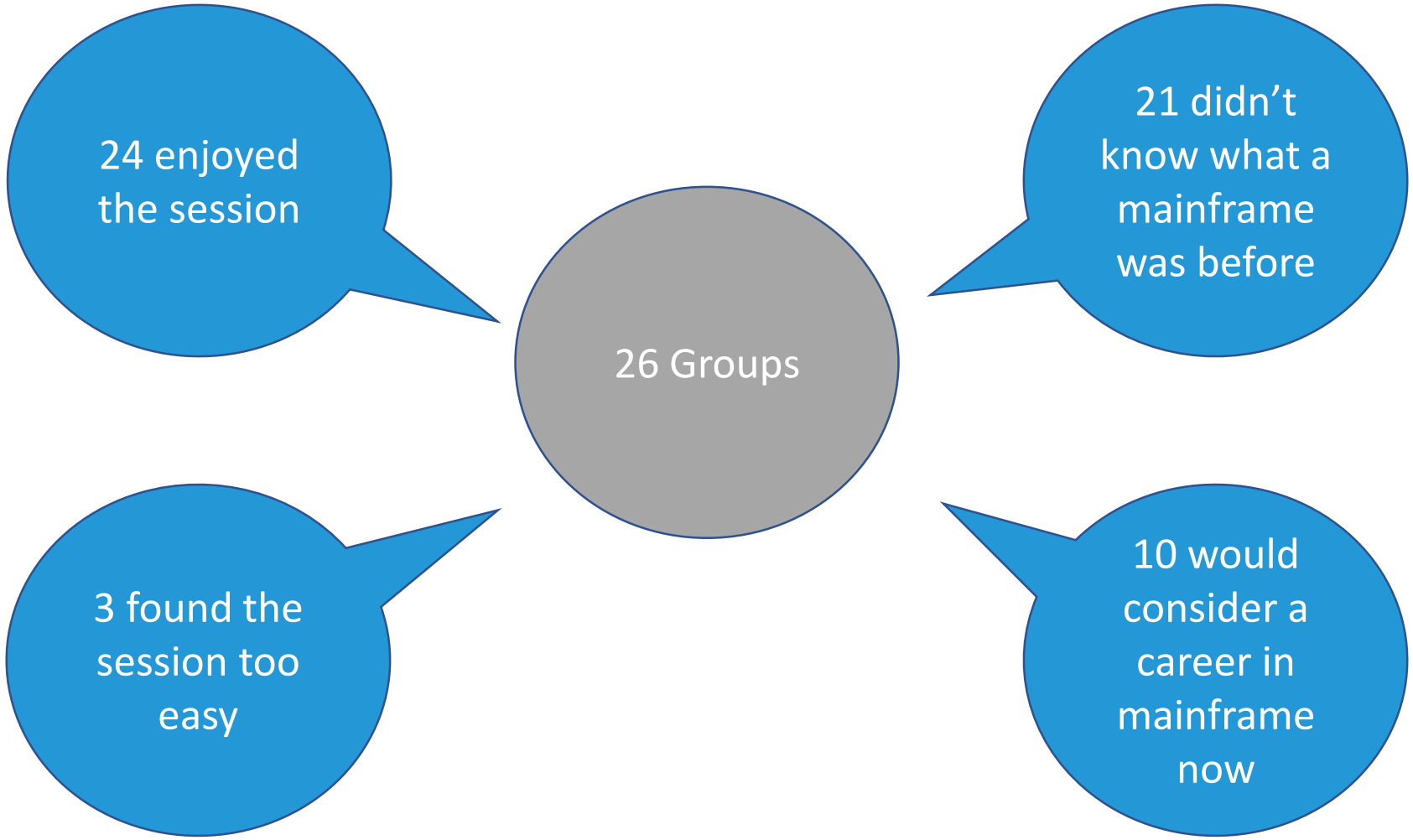
Our most recent session – 01/10/2019

- 180 year 11 students (20 of these computing students)
- Short presentation about us and the Mainframe
- Activity focused on REXX

Feedback



Feedback Cont.

Behind the scenes of the bank

Something that contains data that is big

A big computer network

Bank supercomputer processor

A very big computer

It is a large computer that processes a million bits of data

A massive piece and interesting technological advancement

A big storage device used for transactions

Why should you go into schools?

Introduce schools to a different career pathway

Get a steady flow of people working for the mainframe

Educate students and teachers about the mainframe

Introduce another variant of programming

Change people's perceptions of the mainframe

How can you get involved?

Speak to your local University to get on the apprenticeship ladder.

Get in touch with local schools and we can give you some guidance on how to do this

Recap

Last year vs now

Outreach

Sessions

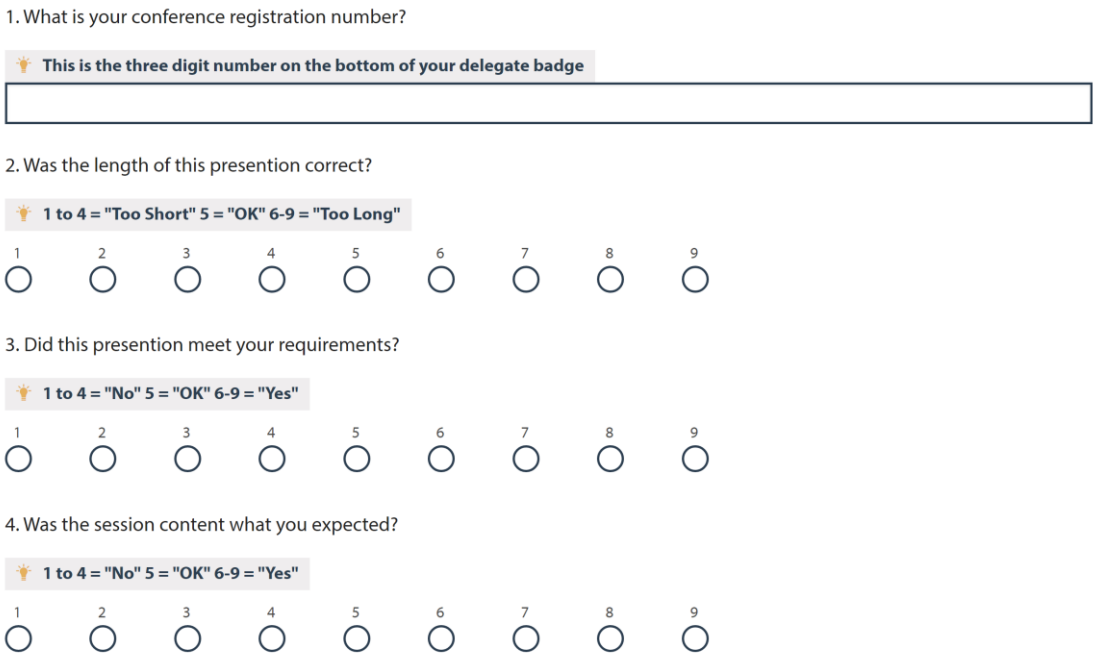
Next steps

GUIDE SHARE EUROPE UK REGION

Q & A

Please submit your session feedback!

- Do it online at http://conferences.gse.org.uk/2019/feedback/QH
- This session is QH



1. What is your conference registration number?

This is the three digit number on the bottom of your delegate badge

2. Was the length of this presention correct?

1 to 4 = "Too Short" 5 = "OK" 6-9 = "Too Long"

1 2 3 4 5 6 7 8 9

3. Did this presention meet your requirements?

1 to 4 = "No" 5 = "OK" 6-9 = "Yes"

1 2 3 4 5 6 7 8 9

4. Was the session content what you expected?

1 to 4 = "No" 5 = "OK" 6-9 = "Yes"

1 2 3 4 5 6 7 8 9