

Girls in Hi-Tech

March 2019

Royal Wootton Bassett
Academy
Student and Business
Evaluation

“There are so many job options available for just one company and you don’t need to be the most technical person or be the best with computers”

Student quote

Event Summary

This programme is designed to inspire and motivate female students to consider careers within Science, Technology, Engineering and Maths (STEM) organisations. Traditionally girls do not consider entering these sectors, even though they have the skills and qualities that are needed. This programme is a series of hands-on challenges delivered by 3 different high technology businesses and supported by Ambassadors from these organisations. It aims to give girls the opportunity to experience the types of roles that are available within these types of organisations and to hear first-hand from female business ambassadors about why careers in these sectors are good.

Girls from Year 8 participated in this challenge.

Objectives of The Nav People Challenge

- To raise awareness of the work that is done at The Nav People, the process involved and the time it takes to be successful.
- To introduce the girls to the variety of roles that there are in the sector.
- To encourage the girls to realise that they could be successful in this sector.

Challenge details

In mixed ability groups, the girls were given a scenario where they had to categorise and add some items to the stock system at Primark.

They had to setup a range of attributes against certain items in order to distinguish them, e.g. colour, size, style, logo, etc.

Each of the teams were given some items and asked to distinguish them from one another. They were then given instructions on how to add these fields into the stock system, along with a couple of follow-up code related tasks depending how quickly the teams completed the first task. There were prizes for different challenges set.

Summary of Impact of Event

The analysis of the evaluation data from the students shows clearly the beneficial impact.

- All of the girls involved said that they had been motivated and inspired by the challenge.
- All of the girls improved their view of doing these kinds of jobs.
- 94% of the girls said that they would enjoy doing these kinds of jobs.

The format for this event means that it is an effective way for students to engage directly with hi-tech sector business people in a relatable task to this sector, in a focused and specific way.

Student Evaluation (29 responses)

Have you been inspired and motivated by this challenge?

100% of the students said "Yes".

If you said "Yes", why?

- It's given me a broader understanding of jobs in STEM.
- I have learnt about different job roles x2
- I have been taught new things and new skills x7
- I have learnt how many skills I have.
- I now know that everyone can do any job that they want.
- I have been motivated to do more.
- That I can do anything I want to do.
- I enjoyed the workshop and learnt new skills.
- It was really challenging on the computer but the Nav People made it fun.
- It was fun and interesting.
- It's made me think about what different jobs are around.
- I have learnt new things and I have had fun.
- I have learnt new skills and I have learnt how to be more creative.
- I found it fun and interesting to learn about it, it has given me a good experience x2
- They have explained that anyone can do a stem job if they are determined enough.
- I learnt a lot in a short amount of time and it was very interesting.
- I learnt a lot of new interesting things I had no idea about before.
- It was fun and taught me about good job opportunities.
- Helped me think about the variety of jobs and it was fun.

Had you considered this career path before today's event?

(1= not at all/low, 10 = completely/high)

Average score = **3.6/10**

How much do you think you would enjoy doing jobs like these?

Score out of 10, where 1 = would not enjoy and 10 = would very much enjoy

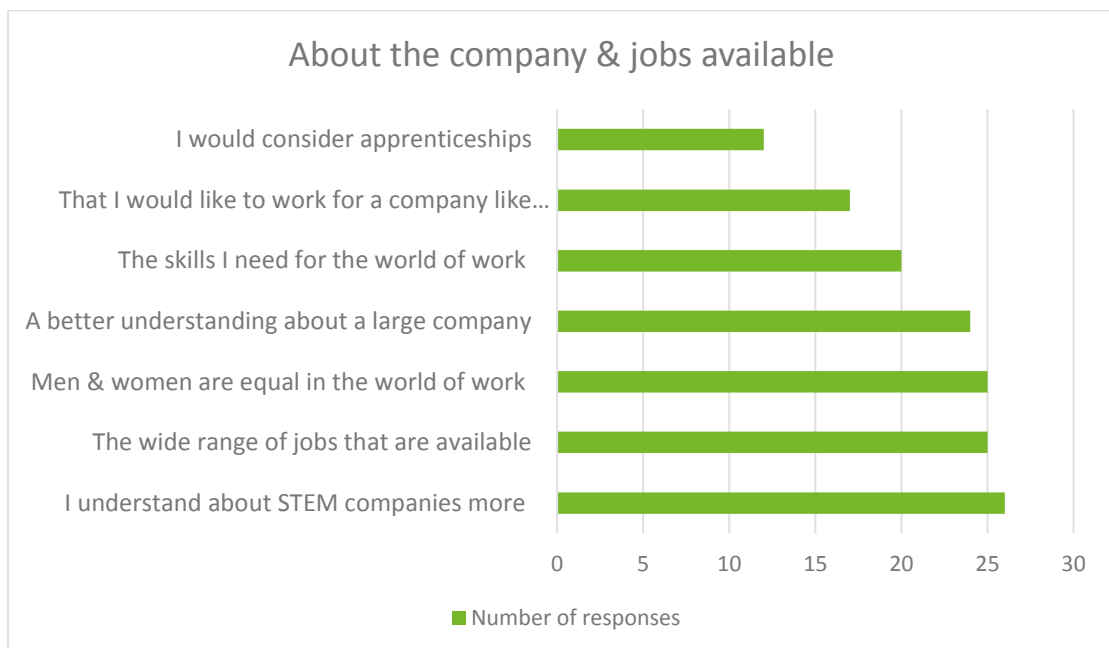
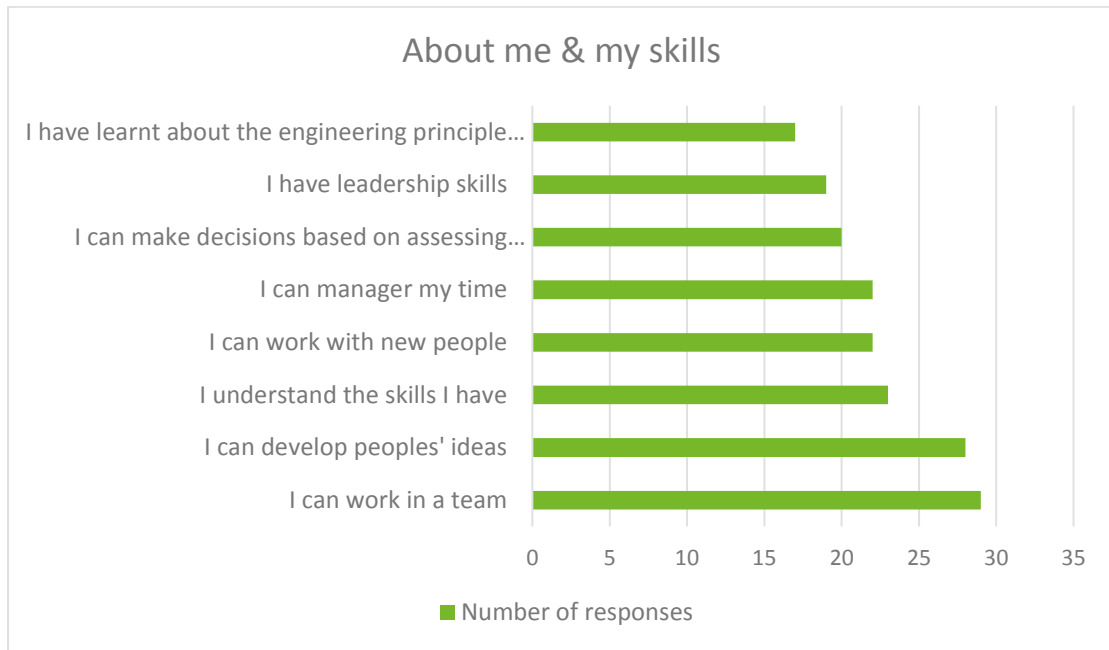


All students increased their view of enjoying a job like this and 71% of students said their enjoyment level was a 6 or above out of 10.

What one thing will you take away from today's challenge?

- Coding and adding fields.
- How to complete fields on the PC and how to code.
- I have learnt how to add an item and describe that item - coding.
- I have learnt how to code x7
- I have learnt how to code and really enjoyed the programming x4
- I have learnt what STEM means x4
- I really enjoyed the coding x2
- Once you learn how to do something it gets easier.
- That you can't pigeon hole people, we had to guess what their job roles were.
- There are a whole range of jobs in STEM & The Nav People.
- There are multiple jobs to do with coding.
- What STEM means and how many women can work in STEM.

What is the main thing that you have learnt from your challenge?



A Selection of quotes from the day

- A unique experience and something I haven't tried at school before.
- Fun and enjoyable.
- I enjoyed trying something new.
- I found this workshop interesting and I learnt some new things.
- I have learnt about STEM and all the programming behind the companies.
- I have learnt and understood about the different jobs available.
- I have learnt that there are many job experiences I can do.
- I have really enjoyed today, I came in at the last minute, it was fun and I learnt a lot.
- I learnt all about different jobs to do with STEM that are available to me, that I think I could enjoy.
- It was a great experience.
- It was a lot of fun and interesting.
- It was a new experience and I learnt skills that I did not know before.
- It was fun and educational.
- It was fun and I learnt a lot.
- Amazing.
- It was fun and I learnt a lot of new things from this experience.
- It was fun and interesting.
- It was fun and was a very informative session.
- It was interesting to find out different types of jobs.
- It was very interesting and I have learnt a lot from this workshop.
- My experience was exciting and I learnt new interesting things.
- Overall, I really enjoyed this and I should consider more and different jobs in the future.
- Overall, I think that I should consider a job in STEM as I enjoyed it very much.
- This experience was very exciting.
- This was a very enjoyable experience.

Business Volunteer Evaluations (4 responses)

How much did the students benefit from today's event?

Average score = **9/10**

Biggest learning point for students

- There are a lot of different roles in the tech industries and that coding is not out of reach for students.
- To understand what is out there in the IT industry and it's not always a tech role.
- Development.
- Different careers they do in Tech.

What benefit did you get out of helping today?



Would you take part in this event again?

100% of business volunteers and education providers said "Yes".

Quotes from business volunteers and education providers for the day

- This is a well worthwhile event which we were proud to be a part of - it was great to give something back and hopefully inspire them to progress to a career in STEM.
- I felt that the students engaged with me, it helped them understand my job role so that one day they can work in STEM.
- It was great to see the students pick up development really quickly.
- Great opportunity to do something different push our own boundaries & help expand young minds.

Comments or suggestions for improvement of the day

- A really inspiring event, I think the girls enjoyed it.
- I enjoyed my day out of the office!
- Great event, I always enjoy it.

Teacher Evaluation (1 response)

The feedback from the staff, both verbal and through the evaluation form, was very positive.

What did the girls learn?

Opportunities available in tech are very varied, girls can achieve their goals in stem roles.

What did you learn?

Simplicity of coding and its relevance to today's society.

Overall

A professional delivery, by committed and approachable staff - thank you.

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