

CASE STUDY

The Challenge: **Highlight women in STEM**

Women are under-represented within science, technology, engineering and maths with 53% of businesses finding it hard to recruit STEM skilled staff. With this in mind we worked in partnership with National Careers Service West Midlands and took on the challenge of inspiring our next generation of women STEM experts. Venue being Solihull College and University Centre we designed a full days programme of STEM inspiration.

The Solution:

A Women in STEM workshop day

- > To raise participants awareness of STEM, and in particular engineering, as a potential career option for young women.
- > To identify the GCSE subject choices that will assist towards a STEM career.
- > To excite young women through knowledge and skills based workshops and by showcasing state of the art equipment to them.

The Programme:

3 workshops included in the day:

- > Computer aided design – introduction to CAD for aerospace design
- > Robotics covers the effect robots have had in modern times and how quickly machines have transformed from assembly lines to astronauts. Young people will spend the majority of the session deciding which robotic attachment will assist their remote control robot and complete a challenge using practical skills and teamwork
- > Design & Deliver defines innovation in two branches; a brand new idea or a unique twist on an existing idea. Supported by physical props and presentation information participants will learn why it is important to be innovative, along with basic design theory. Participants then present their ideas on designing and delivering their own innovation to the rest of the group.

The Results:

The session was a resounding success with all 41 students who attended. The day produced a valuable opportunity for young girl students to explore the range of STEM courses available, in particular the engineering sector.

Inspiring the next generation of women STEM experts.

Identify:

- > Career options
- > Inspire STEM learning
- > Introduce to STEM ambassadors
- > Promote innovative technology
- > Link into school curriculum



[Book a Women in STEM day](#)

[Women in STEM day](#)

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CASE STUDY

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INSPIRE



“ After the women in STEM day, I now have a better idea of what I want to do when I leave school, I will now research into the engineering sector ”

ENGINEERING

EXPLORE



STEM



TECHNOLOGY



- > Career options
- > Inspire STEM learning
- > Introduce to STEM ambassadors
- > Promote innovative technology
- > Link into school curriculum
- > Introduces students to local engineering industries

Book a Women in STEM DAY
at your college or school.



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Raising aspirations in STEM

Exploring careers in science, technology, engineering and maths:

**National
Careers
Service**

Helping you take
the next step

Event:

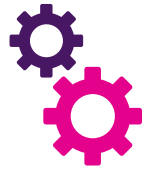
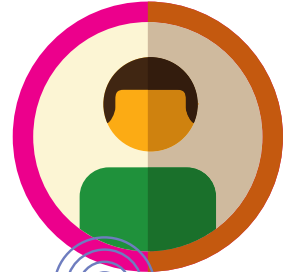
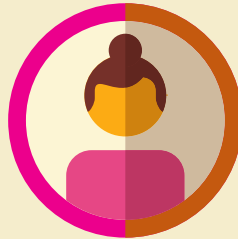
Women In STEM

29th June 2016

Year 9/10 students

Venue:

Solihull College
Woodlands Campus
B36 0NF



Skill based workshops that will raise awareness in STEM whilst Solihull College & University Centre showcases their state of the art facilities.

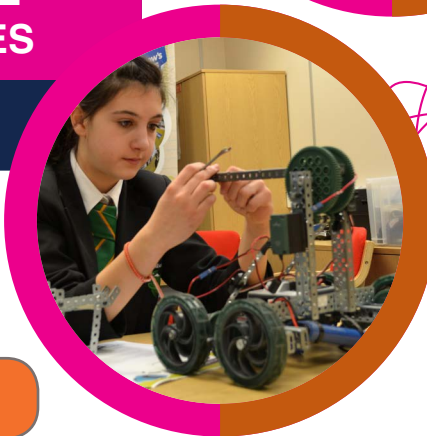
 **Solihull College
& University Centre**

**KEYNOTE
STEM
SPEAKERS**



**STEM
AMBASSADORS**
will be giving
motivational talks
providing insight
into STEM careers

- > WORKSHOPS
- > TOUR OF THE COLLEGE
- > INTERACTIVE ACTIVITIES



Book a Women in STEM day

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