

Consider a career in engineering

2 hour workshop

This visit gives you an insight into what we do at Renishaw, you can also learn about the different roles within an engineering company and what a great career it can be!

This visit includes a presentation on Renishaw, information on our career opportunities for young people, plus the opportunity to have a tour of our demonstration facilities in our state of the art Innovation Centre. We also like to include a quick hands on activity at the end of the session bringing engineering alive!

What are the benefits to pupils attending this course?

- Learn about a local high technology engineering company
- Understand what roles there are within engineering
- Find out about career opportunities available to young people
- Have fun making your own engineering project!

Who would benefit from attending?

- Key stage 3, 4 and 5 students

Curriculum links

Key stage 3 Design and Technology

- Understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers and technologists.
- Investigate new and emerging technologies.



Careers Learning

- Work-related learning - collecting relevant information about opportunities available beyond key stage 4.
- Understanding different career pathways and the importance of attitudes, qualifications and skills to employers.
- The opportunity to experience different working environments.

People like me training

2 hour workshop - Designed by WISE (Women in Science & Engineering)

People Like Me is a revolutionary approach to engage girls with careers in Science, Technology, Engineering and Maths (STEM). People Like Me uses the natural tendency of girls to articulate their self-identity using adjectives, to show them that people like them are happy and successful working in careers in STEM.

This visit to Renishaw will give you an insight into what we do, along with a quiz which will help you identify what sort of role you might be suited to in the future as a career. The visit will include the following: A brief tour of the Renishaw Innovation Centre, introductory activity, 'People Like Me Quiz', Job Types Analysis, Case Studies or Role Models, an interactive activity to take away.

What are the benefits to pupils attending this course?

- Learn about a local high technology engineering company
- Learn about the skills you have and how they can be applied to different roles
- Find out what different careers are available to young people
- Having fun with an interactive mini-project

Who should attend?

- Girls aged 11-18 studying STEM subjects and wanting to look further at possible career options.

Careers learning

- Work-related learning - collecting relevant information about opportunities available beyond key stage 4.
- Understanding different career pathways and the importance of attitudes, qualifications and skills to employers.
- The opportunity to experience different working environments.



Technology Teardown

3 hour workshop

This practical hands on workshop will look at product analysis of different every day products. It involves taking apart a range of consumer and industrial electromechanical devices; e.g. printers, phones, laptops and hard-drives. The aim is to understand the technologies and techniques used so that we can design better products!

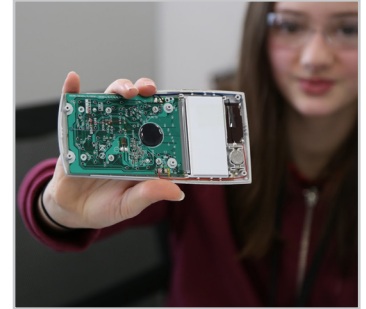
A tour of our demonstration area and a careers talk can also be included in this practical workshop

What are the benefits to pupils attending this course?

- Develop problem solving skills
- Understand how a product is made
- Pupils will design with more imagination once they understand technologies

Who would benefit most from attending?

- Key stage 3 year 9 pupils taking technology GCSE subjects
- GCSE Design & Technology
- Engineering pupils
- A level Product Design pupils



Curriculum links

- Learn about the properties and characteristics of materials and products; apply this knowledge when designing and making products. (Design and Technology Key Stage 3).
- Explore and investigate existing products to inform possible specification points for designing (GCSE Design and Technology 2017 – Core skills)
- Product analysis, reverse engineering, aesthetic detailing and technological performance of components (AS and A Level in Design and Technology 2017 – Core technical principles)

Measurement workshop

2 hour workshop

Measurement is our speciality and this workshop offers students the chance to understand the importance of it in advanced manufacturing.

This visit will include a presentation on Renishaw, a tour of our Innovation centre and the opportunity to find out more about careers opportunities for young people. We also like to include a quick hands on activity at the end of the session bringing engineering alive.

What are the benefits to pupils attending this course?

- Learn about a local high technology engineering company and see their products in action
- Understand the history and importance of measurement in manufacturing
- Have fun working on a mini Engineering activity

Who would benefit from attending?

- Key stage 3, 4 and 5 students

Curriculum links

Key stage 3 Design and Technology

- Understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers and technologists.
- Develop specifications to inform the design of innovative, functional, appealing products that respond to needs in a variety of situations.



Careers Learning

- Work-related learning - collecting relevant information about opportunities available beyond key stage 4.
- Understanding different career pathways and the importance of attitudes, qualifications and skills to employers.
- The opportunity to experience different working environments.