

# Renishaw Education Outreach

## An Introduction to engineering at Renishaw plc

### 1.5 - 2 hour workshop

This experience gives you an insight into what we do at Renishaw and what engineering actually is. You can learn about the importance of engineering, about different roles within engineering and what a great career it can be!

This visit includes a presentation on Renishaw and engineering, a tour of our demonstration facilities, a small STEM activity in our newly built education centre and a short tour of our manufacturing facility. This will give all students the opportunity to take part in a quick hands on activity bringing engineering alive!

Biscuits and refreshments will be served during the workshop

#### What are the benefits to pupils in your school attending this course?

- Learn about a high technology engineering company
- Understand what engineers do
- Have fun making your own Engineering project

#### Who should attend?

- Key stage 2, year 5 and 6 pupils

#### Curriculum links

- 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.

#### Quotes:

"I was really impressed with how smart and high tech everything was"

"I want to be an engineer when I'm older"

"Engineering is really cool"

"I think the stuff you make is really amazing and it'll now have a huge impact on the future"

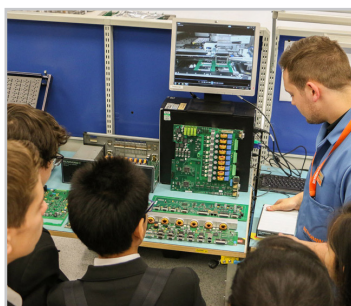
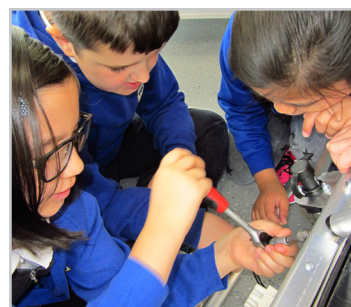
**Venue:** Renishaw plc, Fabrication Development Centre, Miskin Business Park, Pontyclun, RCT CF72 8XY

**Time:** AM and PM sessions available

**Cost:** FREE - Just bring enthusiastic young people with an interest in Maths, Physics or Design & Technology, maximum of 30 pupils per workshop\*

**Date:** Dates can be arranged to suit your school. Applications can be made by requesting a date directly by email

\*Please note - Pupils must be accompanied by a qualified teacher that is teaching a subject related to the workshop being held. We would encourage the teacher to be involved with the workshop as much as possible.



For more information, visit [www.renishaw.com](http://www.renishaw.com) or contact [education@renishaw.com](mailto:education@renishaw.com)



**Renishaw plc**

Miskin Business Park, Miskin  
Vale of Glamorgan, CF72 8XY  
United Kingdom

T +44 (0) 1453 524524

F +44 (0) 1453 524901

E [uk@renishaw.com](mailto:uk@renishaw.com)

[www.renishaw.com](http://www.renishaw.com)

**RENISHAW**   
apply innovation™

## Renishaw in Wales

In 2011 the purchase of the 461,000 sq ft former Bosch facility and associated land near Miskin, South Wales gave Renishaw the space and opportunity it needed to support its growth and development. By the end of 2015, Renishaw had invested nearly £40m in the site acquisition and refurbishment and in the purchase of plant and machinery. It has already created over 250 new jobs and has well developed plans for the site to support research and development and manufacturing in new areas of its business. The co-location of research and development, design, and manufacturing functions at Miskin provides many advantages. Better communication, design for manufacture, shorter product development times and more responsive design and test capabilities can be significant advantages for research and development projects.

Building on and creating new, strong relationships with research and educational organisations in Wales, Renishaw is leveraging its skills and experience in metrology and additive manufacturing to create exciting new developments in healthcare. The proximity of the Miskin site to good transport links and a wide variety of potential collaboration partners in life sciences, with support from national and local government, will give Renishaw the opportunity to create new centres of expertise and new jobs. Renishaw has opened a Healthcare Centre of Excellence at its Miskin site to provide manufacturing capacity for medical parts as well as facilities for training, demonstrations and research.



## Highlights to date and future plans

- £40m outlay on site acquisition, refurbishment and production plant and machinery by the end of 2015
- Over 300 employees on site with open vacancies for a range of manufacturing and research roles
- Assembly of the only UK manufactured metal additive manufacturing (3D printing) machines
- Electronics assembly including latest surface mount technology for PCB assembly
- Metal part machining using the latest CNC (computer numerically controlled) machine tools and robot technology
- Planning application approved for development at the Renishaw Miskin site. The planned facilities provide additional capacity for Renishaw and for other businesses to establish operations at Miskin, providing many more employment opportunities

**For more information, visit [www.renishaw.com](http://www.renishaw.com) or contact Simon Biggs by phone (01443 221727) or email ([simon.biggs@renishaw.com](mailto:simon.biggs@renishaw.com))**



RENISHAW HAS MADE CONSIDERABLE EFFORTS TO ENSURE THE CONTENT OF THIS DOCUMENT IS CORRECT AT THE DATE OF PUBLICATION BUT MAKES NO WARRANTIES OR REPRESENTATIONS REGARDING THE CONTENT. RENISHAW EXCLUDES LIABILITY, HOWSOEVER ARISING, FOR ANY INACCURACIES IN THIS DOCUMENT.