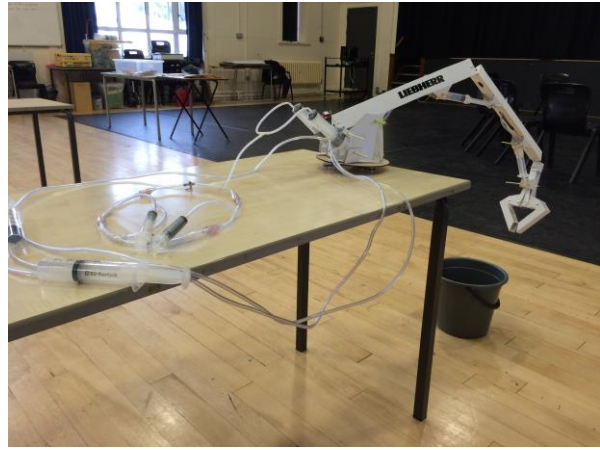


Volunteer Engineers needed for Hydraulics and Lifting Engineering Workshops

Bristol Technology and Engineering Academy New Rd, Stoke Gifford, Bristol BS34 8SF



Students work in small groups with a volunteer engineer to make a crane or robotic arm from card, syringes and plastic tubing. They will also see demonstrations of robotic, modern lifting and accessing equipment.

We are looking for volunteers

Mentor and support a group of children completing a team build & operate challenge on the day

We are looking for demonstrations that contextualise the learning

Engineers/ scientist and kit to illustrate or demonstrate –

- Lifting technology - This could be a gantry rig or a mobile crane
- Examples of robotic devices
- CAD programme for planning positions of cranes on a construction site
- Bio- mechanical engineering
- Materials - composites that provide light and strong solutions for engineering problems?

Demonstrations can use an outdoor space or a data projector and screen. Students will rotate through demonstrations in small groups.

What will volunteers do on the day?

Arrival by 8.30am for briefing before 9.00am start

The day will finish at about 3.00pm – the option to leave earlier is always available for volunteers

Parking – On site

Teams - One volunteer per group of 6 students

Introductions - You will be quizzed by the young people so they can introduce you to the room

Team Building - An essential element of the challenge for the day

Crane Building Challenge - Mentor the group who are following the instructions provided

Visit Demonstrations – Accompany your team to 10 minutes demos and talks

Competing - Teams compete with their engineering. Working to improve through a series of timed test.

Presenting – Teams present their engineering and ideas on the future of this industry sector

FAQ

Workshops are led by expert staff and teachers accompany the children at all times.

All instructions are provided in stages as you go

Dress code – smart casual – company logos are encouraged

To make an enquiry or to volunteer – hugh@myfuturemychoice.co.uk / 01173290387

