

Lifting Aspiration

Award winning crane workshops for schools with volunteers from the construction industry. Exploring Hydraulics, pulleys and team work.



Young people work in small groups of 6 with a volunteer to make a cardboard crane or robotic hydraulic arm that looks like this.

They explore job roles in the sector and measure effectiveness of their team.

They explore modern lifting equipment.

Each team competes with a practical safe lifting task as well as communicate their learning from the workshop.

Volunteers from the construction industry

- support the work of a group of children and supply the message that work in the construction industry is fun; there are many different jobs to think about and the life style opportunities.
- help young people explore ideas that lifting and access industry as well mentor the team to build of a robotic arm from cardboard parts, syringes and tubing. (no prior knowledge needed)
- provide site visits to mobile modern technology to contextualise science learning

Logistics

Arrive 30 minutes before the workshop to ensure they receive a 15 min briefing. *Workshops are led by an expert –all instructions are provided in stages during the day.*

- **Teams** - one volunteer per group of 6 children
- **Introductions** –volunteers quizzed by the young people and introduced by them
- **Crane Building** - instructions provided by the workshop leaders. Volunteers help young hands, minds and teams with anything they are struggling with.
- **Site Visits** –Volunteers accompany teams to explore equipment supplied by construction industry business sponsors.
- **Competing and Presenting** - The volunteer's team competes with their crane and presents learning about scientific principles and teamwork at the end of the session

To get involved contact - hugh@myfuturemychoice.co.uk 0117 3290387

