

my future
my choice

explore
my future

Crane-Challenge for Primary Schools

Workshops and resources that link education to aspiration for 7 to 11 Year olds, helping them put science in context and see the opportunities open to them in life.

Practical learning for children about engineering principles; using cranes and people from the industry sector that explores the skills needed for success in life and work.

Modular Crane Parts - Used in team challenges to build and operate a crane that demonstrates how gears, pulleys, pneumatics and hydraulics work.

Engineers Top Trumps card game - played with industry volunteers working with the children in the classroom to find out about different types of engineers.

Teachers Resources – Science and Maths and PHSE learning materials for use pre and post the Crane-Challenge workshop including **Classroom Poster and Stickers**, a Teaching-Aid to link learning with the skills needed for life.

Pupils Workbooks and Stickers – Encouraging further exploration by children with their families. Used by schools to engage parents and communities.

Work Place Tours – Children investigating people's jobs in places where the work happens



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Crane-Challenge for Secondary Schools

Engineering Workshops and Resources for 11 to 15 Year olds helping them to make decisions about their future by working in a team with an engineer.

Practical learning about Science, Technology, Engineering and Maths with people from the industry sector that explores the wider skills needed for success in life and work.

Modular Crane Parts - Used in team challenges to design, build and operate a crane.

Coaching Programme - Sessions on Goal Setting, Visioning and Self Belief. Each session is run by a lead trainer with volunteer engineers to support small groups of young people.

Coaching Journal - Student's personal workbook to use during and after the workshops

Teaching Resources - lesson plans and teaching aids for use in Science, Maths, Engineering and Technology that includes 'Progression Routes to Engineering the Future'.



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