

Primary Gears Workshop

A hands-on workshop enabling children aged 8-11 to explore gears for the first time. Together, the class builds a satisfyingly impressive gear train which demonstrates the potential of gears.



Level: Upper Key Stage 2
(years 4-6; ages 8-11)

Duration: 1 hour

Background

Developed for the BGA by STEM education and outreach specialists at Northumbria University, this workshop supports the Primary National Curriculum for science.

It offers an opportunity for engineers and technicians to build links with their local communities, develop their communication skills, and make a positive contribution to the engineering knowledge of children.

Training

A bespoke training session is available to assist BGA members in acquiring and honing the skills necessary to deliver the workshop successfully. The training includes:

- Introduction and discussion of where gears fit in the national curriculum.
- Detailed practice of the session delivery.
- Classroom management techniques to ensure the session runs smoothly.
- The practicalities of getting into schools.
- Unconscious bias and strategies for improving gender diversity in engineering.
- Advice and coaching on performance and delivery style.
- All the printed, construction and presentation materials needed to deliver the workshop to a class of 30.

Dates & Costs

Consult the BGA for details of available training sessions and associated costs:
admin@bga.org.uk

In addition to the training session, you'll need to purchase a class set of equipment, which can be reused for many workshop deliveries. We'll provide a full bill of materials and suggested suppliers.

