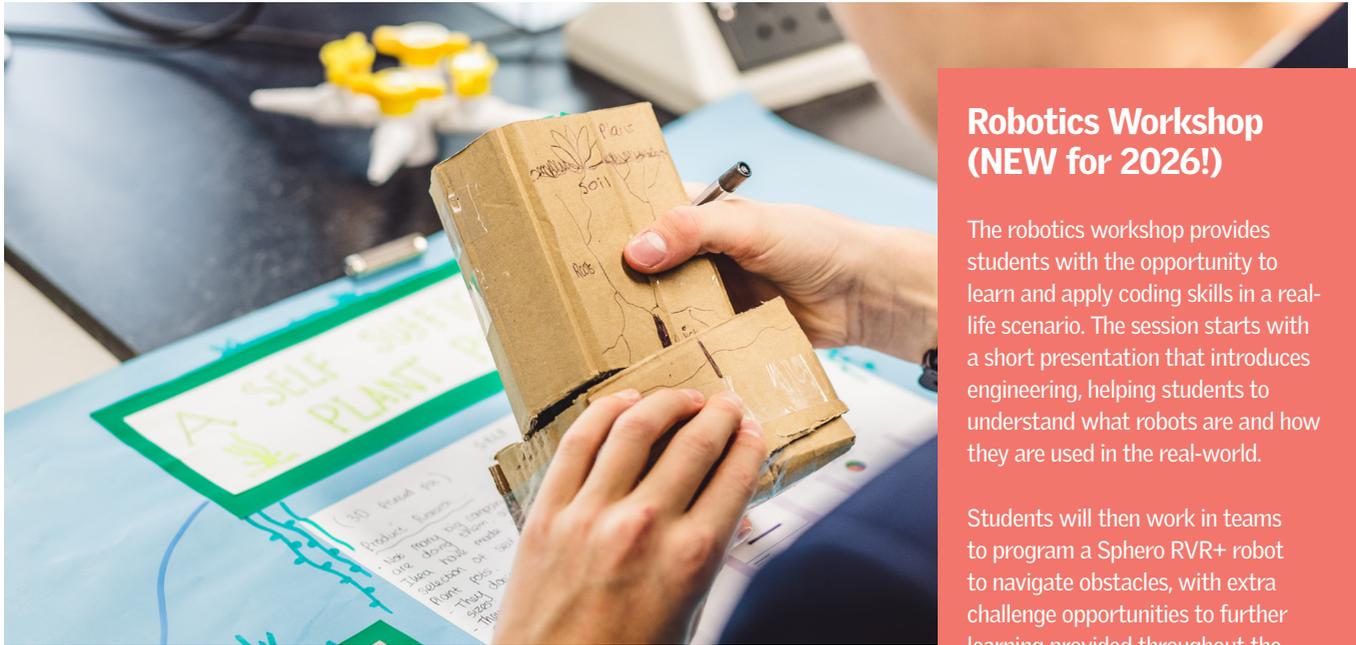


Primary Engineering



Robotics Workshop (NEW for 2026!)

The robotics workshop provides students with the opportunity to learn and apply coding skills in a real-life scenario. The session starts with a short presentation that introduces engineering, helping students to understand what robots are and how they are used in the real-world.

Students will then work in teams to program a Sphero RVR+ robot to navigate obstacles, with extra challenge opportunities to further learning provided throughout the session. Suitable for Upper Key Stage 2, this workshop can be run with up to 30 students at a time and lasts 1 hour 30 minutes.

This session is limited to the South West of the UK.

Online Primary School Workshop

James Dyson Foundation's online workshop has been designed for primary school students to introduce them to the topic of engineering, while also complementing the Design and Technology curriculum.

The session begins with Sir James Dyson's story and his early inventions, explaining what the design process is and how Dyson engineers use this in their work. Students will also learn about building, testing and iterating prototypes, discussing how frustration can lead engineers to creating solutions and that failure is a part of the design process.

This session is suitable for Key Stage 1 and 2 and lasts between 45 minutes to one hour. It is delivered online via a Microsoft Teams link and is available to schools nationally across the UK.

Rapid Prototyping Workshop (in-person)

Similar to the online primary school workshop, this session provides students with an introduction to engineering and the design process, starting with Sir James Dyson's story. Students get hands-on with prototyping materials, including Dyson parts, to create their own solutions to everyday problems.

The students are encouraged to present their solution to the rest of the group, supporting both the Design and Technology curriculum and Spoken Language. Suitable for Key Stage 1 and 2, this workshop can be run with up to 30 pupils at a time and lasts for two hours. This session is limited to schools in the South West of the UK.



To book a workshop with the James Dyson Foundation email:
Stephanie.Ball@jamesdysonfoundation.com