

Robotics

Students will use the Edison robot, specially designed for under 16s, to learn new coding languages including Scratch and Python. Students will programme the robot using computers to perform commands including communicating with each other, creating an anti-theft device, and engaging in a robot battle. English Plus Robotics is suitable for students who are beginners as well as those who are more advanced.

At A Glance

Location: SBC Canford computer rooms

Times: 6 hours per week

Fee: £150 per week

Dates: Weeks beginning 8th and 22nd July

Ages: 11-15

Course Aims

This course aims to develop our students':

Coding skills

Students will begin using Scratch, a coding programme that makes it easy to visually see elements of syntax, and will also have the opportunity to translate this to Python, a programming language used extensively throughout the world, including for Youtube.

Teamwork

Students will work in pairs to programme their robots, eventually competing with other teams in a robot battle.

Real-world application

Students will be challenged to think about the functions that robots already perform in society, and how this may develop in the future.

Problem-solving

Students will work together to determine how to programme their robot to achieve a desired outcome and overcome failures.

Logical thinking

Students will need to apply logic in order to make their programmes work, following set rules to achieve the desired result



Who will lead the course?

English Plus Robotics will be led by experienced coding instructors who regularly deliver robotics courses to young people.

What do students need to bring?

Students do not need to bring anything for English Plus Robotics except a willingness to learn and have fun!

