

Arduino Day

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This is a one day workshop to explore the use of the Arduino platform in science teaching. This is a hands-on day where you will have the opportunity to make a digital pressure sensor to take away and use in school.

What is Arduino?

Arduino is an open-source electronics platform based on easy-to-use hardware and software. The Arduino board is a printed circuit board (PCB) that is able to read inputs and turn it into an output.



Course Schedule

Session 1

An introduction to the Arduino platform. Delegates will have an opportunity to be acquainted with the actual hardware and the Integrated Development Environment (IDE) and will be tasked to build and code a basic traffic light system.

Session 2

Delegates will take part in a circus of the CLEAPSS Arduino activities. Including; GM unit experiments, light gates, pressure sensors, volt data loggers, pH probes and much more.

Session 3

In this session you will make your very own CLEAPSS pressure sensor. We will show you how to solder and code this device for you to take back into your school and use.

All materials are included in the course fee.

Duration: 1 Day

Times: 9am to 4pm (approx.)

Minimum number of participants: 8

Maximum number of Participants: 10

