

Bentley Park College & Google CS4HS

presents...

Programming with Arduino

What is Arduino?

Arduino is an open source microcontroller kit for building digital devices and interactive objects that can sense and control objects in the physical world. It is a low-cost and easy way for teachers and students to create devices that interact with their environment, using such things as sensors and motors. Common examples would include simple robots, thermostats and motion detectors.

It's time to program

Bentley Park College is offering educators a workshop to develop their programming skills with Arduino. You've heard the name, you may have been to our previous workshops, now it's time to go one step further.

Ingredients

Electronics, coding and problem solving in the classroom.

Warning: Contains **Science** and **Mathematics**

Date: **Saturday 11 August 2018**

Time: **9:00am – 3:00pm**
(includes light lunch and morning tea)

Venue: **Bentley Park College**
(TA16 – See map on next page)

Cost: **\$0** (All funded by Google CS4HS)

Includes: **Catering, an Arduino kit to take away and PD certificate**

Suitable for: **Educators** who want to **learn and play**.
Transferable to students in Year 5 and up.

Participants: Limited to **28 registrations**

Sessions:

- Introduction to and a bit further with **Arduino programming**
- Some **practical programming exercises** with circuits including sensors and motors (inputs and outputs)
- Troubleshooting 101
- Suggested **classroom activities** that fit with Digital Technology curriculums

Register: Email Paw Kappel (pkapp1@eq.edu.au)



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