

Professional Development



**For Industrial Arts / Technology /
Design and Technology and Textiles and Design Teachers**

Digital and Control Technologies.

IoT and M2M

Easy entry to coding
Physical computing

Castle Hill 2nd July 2019
6 hours of training.

All meals and training materials
included.

Register for courses by visiting
<http://www.dontpanic.net.au>

Don't Panic STEM curriculum support

Technology Teacher Professional Development

by Peter and Ruth Thompson

Introduction Digital and Control Technologies including IoT /M2M. This workshop is an easy entry into control technology. The course will introduce concepts of coding with real world devices, an introduction to microprocessors via a locally developed board with built in I/O, motor driver, multiple LEDs, LDR, buzzer output.

Easily learn to code a microprocessor. This is a low-cost entry appropriate to schools using free software for simulation and experimentation. This workshop will address Materials, Engineering and Digital outcomes of the 2019 Technology Mandatory syllabus.

Course costs include 11 'Techstarter' boards for use in the classroom. Additional sets are available for purchase.

Participants will engage in discussion regarding problem / project based learning, its application in the classroom and how to develop appropriate assessment methodologies.

Targeted concepts are Project Based Learning, Design Thinking, Computational and Algorithmic thinking and Integrated Learning. 2 projects will be constructed and a teaching program in NESA program builder format is provided.

Where: Castle Hill RSL

When: Tuesday July 2nd

Time: 9:00 am to 3:30 pm

Cost: \$600 (ex. GST)

Includes 11 Techstarter boards, enough resources for a class to start coding physical devices straight away.

Contact: Ruth@DontPanic.net.au

[video re IATE TechStarter](#)

Completing the Introduction to Control technology course will contribute 6 hours of QTC Registered PD addressing 3.3.2, 3.4.2, 5.1.2, 5.3.2, 6.2.2, 6.4.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

