

Course overview

Taking electronics further

“Best quality course I have ever attended”

A course for teachers who already have some experience of work with electronics / systems and control, perhaps at KS3.
The aim of this four day course is to enable you to offer a high quality, modern GCSE in Electronic Products / Systems and Control.

“Fantastic course, really enjoyed it and gained much”

The first two days of the course will focus on the use of PIC microcontrollers and the ways in which these support a wider range of pupil design-lead work:

- ▶ exploring various options for PIC programming
- ▶ associated PIC hardware and electronic concepts
- ▶ practical PIC based projects for use in school
- ▶ planning a PIC-based activity with equipment that can be taken to school and undertaken with a class before the second pair of days
- ▶ setting up networking to support course members
- ▶ introduction to ECT website and accreditation

“The course provided me with a good foundation in ECT”

Days three and four will look at other important ways in which electronics in schools can be enhanced:

- ▶ design based activities looking at systems, subsystems and their functionality
- ▶ comparing PIC and hardwired system approaches
- ▶ product analysis and designing ECT systems
- ▶ remote control and communication
- ▶ developing a scheme of work enabling progression in ECT at KS3 & 4

“Very well paced, excellent support”

Further information will be provided when registration is confirmed.



The University
of Manchester



The Electronics in Schools Strategy

Support for Electronics and Communications Technologies
(ECT) in schools



A free 4-day ECT course for Teachers of Design & Technology

£400 of ECT equipment provided to the school
as a part of the course

Contribution towards cover and travel expenses

For further information:
www.electronicsinschools.org

Tutor

Torben Steeg, University of Manchester
(ECT Accredited trainer)

Venue

Isle of Man (details tbc)

Dates

Taking electronics further

15th-16th March, 2006
26th-27th June, 2006