

Design and Technology

KS3 Systems and Control

Date: 10 December 2009 Venue: Great Moor House, Exeter
Course Code: DT0903872 Time: 09:00 – 15:30

“The curriculum should include..., systems and control.....” (D&T Curriculum, QCA, 2007)

The course will be a mixture of presentation, discussion, and practical hands-on designing and making. It will be suited to teachers with little or no S&C (Systems and Control) experience through to established S&C teachers currently reviewing their schemes of learning and approaches to the teaching of S&C. The course will focus on electronic and microprocessor systems and include some coverage of computer control systems. The course will not cover mechanical systems.

Key learning objectives of the course will include:

- improved understanding of the designing and making expectations for S&C within the range and content of the D&T 2008 NC (National Curriculum);
- increased familiarity with equipment, components, terminology, software, suppliers and Health and Safety for S&C teaching;
- development of a KS3 S&C programme, appropriate for your department, that provides challenge, progression and assessment opportunities;
- exploration of the definition of “Creativity” within the NC and QCA’s views on “Creativity in Action”;
- manufacture of example projects to take away and use within KS3;
- exposure to a range of teaching systems including: circuit design at KS3 using the “systems approach”; to PIC (Peripheral Interface Controller) kit circuit building and programming;
- development of teacher network of support for S&C.

Tutors: Quinn Gardner (Quick Link Systems) and Jonathan West (Learning and Development Partnership)

Cost: £135.00

For any queries or further information please contact:

Name : Tara Hooper Tel: 01392 384361 Fax: 01392 384880 Email: tara.hooper@devon.gov.uk

If you would like to attend the above course please apply online at:

www.devonldp.org/cpd

If you book this course on-line at www.devonldp.org/cpd and receive email communication, **the cost of the course will be as indicated above.** If you do not have an email address or would prefer to receive hardcopy information, we are happy to provide this **but must make an additional charge of £10 to cover our administration.** Please note the full fee will be charged if a place is cancelled within 12 working days of the course/conference date. If you are unable to attend we recommend that you consider asking a colleague to attend in your place.