



COMPUTER SCIENCE AND PROGRAMMING FOR PRIMARY SCHOOLS

COURSE TUTOR: Jeff Howson

COURSE DETAIL

This course is suitable for senior and middle leaders and ICT leaders

The government has recently announced the central importance of computer science and programming skills within the curriculum of the 21st century, including the addition of the subject to the EBacc and the new curriculum review for primary and secondary schools.

This hands-on course provides the key to developing the key skills for computer science and programming with primary aged pupils. The program that the course focuses on is 'Scratch' which is an easy to use program that enables young children to master the basic skills of programming and create their own interactive stories, animations, games, music, and art and share them. By the end of the course participants will be able to:

- Understand key elements of Computer Science in the new Curriculum
- Get started with Scratch
- Create, edit and run a variety of Scratch programs
- Design, create and save a project
- Understand programming concepts
- Review resources, challenges and support

Delegates are requested to bring with them:

- A laptop
- A downloaded version of 'Scratch' on their laptop – see (<http://scratch.mit.edu/>) to download version 1.4

PROGRAMME FOR THE DAY

09.00 – Refreshments and registration

09.30 – Review of Computer Science in the new curriculum

10.00 – Scratch: Developing 21st century skills - Learn by Doing / Creating / Designing and Sharing

11.00 – Break and refreshments

11.30 – Scratch: Programming Concepts and simple programming examples

13.00 – Lunch

13.30 – Scratch: More advanced programming examples

14.30 – Scratch: Design and create a game

15.30 – Scratch: Resources, Challenges and Support

16.00 – Next Step - Other programs and Support

16.30 – Refreshments and departure (although identified as 16.30 we will build in a flexible refreshments pm).

COURSE TUTOR

Jeff is one of the country's leading experts on ICT in schools as a teacher, trainer, examiner, education consultant and publisher, Over the last thirty years he has been heavily involved in a wide range of government ICT initiatives such as the National Education Network and leading organisations such as Futurelab, Next Generation Skills and Open University. He works closely with a number of leaders in ICT to provide a range of services to schools, LA's and organisations on the introduction and implementation of innovative practice, using ICT.