

Teaching and leading of key stage 2 computing

Broaden your understanding of computer systems, networks and the internet to teach key stage 2 computing in this 2 day course.

Summary

This course is delivered as part of the National Centre for Computing Education.

Through key stage 2, the computing curriculum aims to deepen understanding of computer science, information technology and digital literacy. Children become more skilled, and critical, users of technology, choosing tools that helps them achieve their goals while developing safe, and acceptable, online behaviours.

This professional development complements the one-day programming and algorithms event. Over two days you will broaden your understanding across the whole computing curriculum. You will strengthen your knowledge of computer systems and networks, including the internet and technologies such as search engines and email that make use of it. You will demystify computers, developing understanding of data fundamentals such as binary, and learning how the parts of a computer system handle this data to carry out useful tasks.

Skilfully combining a wide range of software applications and multimedia such as video, images and sound, you will be better able to support children in creative and engaging project work across the whole primary curriculum. They will develop their ability to select the right tool for the job, then use them in a considered, effective way.

Outcomes

You will be able to help children:

**Regional Delivery Partner
for North West England**

- Understand how computers work including details of their component parts, and the added capabilities achieved when computers are connected through a network
- Understand the nature of binary data as used by computers to represent data in many forms
- Learn about tools and applications that utilise the internet, including email and the World-Wide Web, and use them safely and effectively
- Create and manage projects where they collect, analyse and share data
- Create and modify digital content such as images, video and sound in multimedia projects
- Consider their own use of technology, the benefits and risks that it brings, and know its importance in the world and their learning by developing your own subject knowledge, pedagogy and practice

Price: £75 per delegate*

*For schools in priority 5/6 areas the first teacher to participate in this CPD will attend for free and will be eligible for a bursary of £100 per day. This is funded by NCCE.

(Priority 5/6 areas are Salford, Oldham, Rochdale, Tameside, Warrington, St Helens, Halton, Wirral, Knowsley, Sefton, Liverpool)

This is a 2 day course. Delegates will be booked onto both dates.

Course Dates - Liverpool

19 March and 30 April 2019

4 June and 2 July 2019

17 September and 01 October 2019

Sign up to courses via: www.mglworld.com/ncce