

*Moxton Education is an independent boutique consultancy focusing in Education ICT and part of the Moxton Group.*



**MOXTON**  
EDUCATION

# THE COMPUTING CURRICULUM INTRODUCTION AND ASSESSMENT

*A 2 day workshop for either Primary or Secondary Schools (KS1, KS2, KS3)*

## BACKGROUND

### **Day 1 – The new Computing Curriculum**

Teaching the new computing curriculum isn't easy. If you are wanting to get to grips with understanding key concepts, how to develop an innovative SOW that includes Computer Science and understanding assessment without levels, then this is the course for you. You will be able to answer the questions, What is different from the old curriculum? How do I plan for it? How do I deliver it? Have I the right resources? How do I assess it? Have I the right skills to teach it?

### **Day 2 – Assessing the new Computing Curriculum**

The government have also dis-applied levels to assess progression in the new computing curriculum and you have the opportunity to develop your own. What do you do? You can continue with levels if you want to, but this is an opportunity to try something new.

This 2 day workshop, will give you the confidence and tools to address the new requirements and build on current good practice. It complements another 2 day workshop which focuses on developing an innovative SOW and identifying, evaluating and creating resources for the new computing curriculum.

## AIMS

The aim of this workshop is to provide an opportunity for schools to get to grips with the new requirements and develop an innovative curriculum and assessment method for computing and programming at KS1/KS2 or KS3.

(This course is suitable for senior and middle leaders and ICT staff in Primary and Secondary schools). This is an introduction workshop.

## WHAT YOU WILL GET

By the end of the workshop participants will be able to:

### **Day 1**

- Access essential reading on the new Computing Curriculum
- Understand key aspects of the Computing POS
- Develop ideas for an innovative SOW
- Understand the POS
- Access and share examples of good practice
- Access lots of resources and handouts
- Understand computational thinking and programming concepts progression
- Know what outstanding computing looks like
- Get started with a programming language
- Understand the ICT Requirements needed to run a successful course

*Continued overleaf →*

## WHAT YOU WILL GET (Cont)

### Day 2

- Understand Summative and Formative assessment methods for Computing
- Identify AFL methods to measure and improve progress.
- Understand the role of badges in the Progression Pathways Assessment Framework
- Develop your own assessment framework, to evidence and monitor your pupil's progress
- Review examples of different school's approaches to assessment, from around the country and identify their strengths and weaknesses.
- Be up to date with Ofsted's view of assessment and what outstanding looks like
- Collate a number of ideas and tips to:
  - o Develop a suitable assessment framework
  - o Make accurate assessments
  - o Provide effective feedback
  - o Gather evidence
  - o Enable self assessment and peer assessment

## HOW WE WILL WORK WITH YOU

This workshop will be a 'hands on' 2 day workshop so that by the end you will be able to lead the Computing curriculum in your school and assess it effectively.

### Day 1

Participants will:

- Investigate the background to the new computing curriculum
  - why we are where we are
- Review essential Reading on the Computing Curriculum
- Understand the POS – with activities
- Understand Computational Thinking and review a key resource
  - with activities (e.g. Binary)
- Understand key programming concepts and find out where you can learn more – with activities (e.g. Flowcharts)
- Know what outstanding computing looks like – see what Ofsted say
- Get started with a programming language – review them and do an exercise in Scratch
- Plan a SOW, which includes Computer Science – with activities

### Day 2

- Discuss pros and cons of using levels
- Review and discuss Formative AFL methods to measure and improve progress
- Investigate the POS as a starting point for assessment, which demonstrates progression
- Investigate Themes as a starting point for assessment, which demonstrates progression
- Produce an assessment framework, which combines POS and Themes – with activities
- Review and discuss the system of open badges as a means of assessment – with activities
- Investigate a number of assessment schemes from across the country, identifying strengths and weaknesses – with activity
- Review a number of commercial assessment frameworks
  - with activity
- Investigate what Ofsted expect with regard to assessment
  - with activity

**Note** - Resources will be available for all participants via a Dropbox account.

## RELATED SERVICES

- 2 day workshop - developing an innovative SOW and identifying, evaluating and creating resources for the new computing curriculum
- ICT Policies & procedures
- BYOD – a practical workshop
- Integrating ICT into new buildings

See more at [www.moxton-education.com](http://www.moxton-education.com)

## WOULDN'T IT BE GOOD TO HAVE SUPPORT FROM...

- Staff who have each got in excess of 20 years experience in ICT in Education
- Supported literally hundreds of schools to facilitate change projects related to ICT
- Been senior leaders in all phases of schools
- Been responsible for Education businesses in the UK turning over been £10-£100m
- Access into senior staff in many of the UK's leading suppliers of ICT into schools
- Understands the complexity of BSF and Partnering contracts.
- Been teachers
- Managed key implementations as part of construction projects
- Rolled out school specific ICT support services to over 800 UK schools
- Integrated Education cloud solutions and delivered them into over 500 schools, youth centres, libraries and childrens homes
- Managed key aspects of creation of new schools (Vision, ICT, procurement, CPD, curriculum models, classroom design)
- Been commercially responsible for the broadband into in excess of 5000 schools
- Managed supply & customer side procurement
- Worked in the supply side to Federations, Free Schools, Academies, UTC's
- Managed the procurement of multi-million pound ICT equipment, software and service contracts
- Expertise in key educational trends such as 'flipped learning', Design thinking and Project based learning
- Been responsible for demonstrating improvement in ICT across groups of schools.
- Been a teacher so knows the 'stresses and strains', issues and opportunities in schools and academies
- Worked with over 120 very small schools in their unique environment
- Managed supply & customer side procurement
- Worked on the client side with Federations and Academies.
- Worked on over 150 projects with construction, M&E and Architects