



..... November 2021

## London & Home Counties Computing Hub Community

We have had our half term break and now we are on our way to Christmas. Are you finding time to think about your professional development or do you need to make time? Does your school need a review and action plan for its computing curriculum? Are you just looking for some ideas for activities with your students or information on opportunities or events that may interest you? Well if yes, please read on and see how your local computing hub can help.

As ever, please don't hesitate to contact us if there are other ways that we can support you.

**Contact us via:** [teachcomputing@lgs.slough.sch.uk](mailto:teachcomputing@lgs.slough.sch.uk)

**Follow us on Twitter:** [@CompHubLGS](https://twitter.com/CompHubLGS)

**Web page:** [LGS Computing Hub](http://www.lgs.slough.sch.uk/teachcomputing)

### Remote CPD for teachers

[Higher Attainment in GCSE computer science - meeting the challenge of exams - remote CE439](#)

11 November 9:00-16:00

[Python programming constructs: sequencing, selection & iteration - remote CE423](#)

18 November 9:00-15:30

[Python programming: Working with data - remote CE 433](#)

25 November 9:00-15:30

[Teaching key stage 1 computing - Module 2 - remote CE451](#)

22 & 25 November 13:00-15:30

[Leading Primary computing – remote CE456](#)

30 November 9:00-15:00 & 7 December 9:00-14:30

[Teaching key stage 2 computing - Module 2 – remote CE453](#)

6 December 13:00-15:40 & 9 December 13:00-15:30

[Introduction to computer systems, networking and security in GCSE computer science – remote CE438](#)

24 November 9:00-14:40

[Representing algorithms using flowcharts and pseudocode – remote CE420](#)

9 December 9:30-15:30

[London & Home Counties Computing Hub courses](#)

Other courses available this term can be found on the teachcomputing web site.

[Click here for full range of courses](#)

## What we can offer!

### Primary Deep Dive Webinar

14 December 16:00-17:30



Join Phil Bagge, Hampshire computing inspector to explore OFSTED Deep Dives in primary computing. Make the most of all your hard work with an adaptable answer framework that helps you to organise your intent, implementation, and impact.

[Register now!](#)

### Needs Analysis



We can complete a one-hour review of your computing provision in your primary or secondary school and help you develop your computing curriculum through a needs analysis.

Take the opportunity to have a 'Health check' where we can find out more about the delivery of computing in your school.

We can generate a report that will identify how you can utilise the wider range of free support we provide, including: CPD, mentoring, coaching, and resource lending.

[Request needs analysis form](#)

### Online Safety Webinar

9 December 15:45-16:45



Join Shorifa Khanam, a Subject Matter Expert for the National Centre for Computing Education Programme. The webinar will look at key aspects of online safety for those working in schools and colleges, and explores the available resources to teach online safety to students.

[Register now!](#)

### Loaning Physical Kits

We can provide your school with hardware help with the teaching of coding and computer-related subjects.



We have a number of class sets of the following devices with all of the peripherals you will need to teach a unit from the **teachcomputing curriculum** for loan: Crumbles, Micro:bits, Raspberry Pi Picos

We can also provide CPD on how to use the physical kits.

Please submit your request into the form below, along with anything else you would like to know related to the request.

[Request physical kit loan form](#)

## Take a look

### The Science behind Nuclear Submarines

10 November 16:00 – 17:00

STEM NOW – Masterclass. The Science behind Nuclear Submarines. Join STEM NOW and Midge, a STEM Ambassador and Nuclear Engineer for the Royal Navy, to find out more.



By the end of this presentation, you will gain a basic understanding of quantum computing beyond the hype in the media. There are no technical prerequisites, the presentation will benefit anyone who is a complete beginner or is just curious about emerging technology.

Find out more

### UBISOFT Discovery Tours

Experience the world of Vikings as a living museum in the Discovery Tour: Viking Age, or try Ancient Greece or Ancient Egypt.



Discover the life of Vikings and Anglo-Saxons in the 9th century! Purchase the Discovery Tour: Viking Age as a standalone product for yourself or your classroom on PC.

[Here](#) is an example of a curriculum map and lesson plans

Take a look

### Cyber First Girls Competition

Registration is open for the 2022 competition

The CyberFirst Girls Competition aims to support girls interested in a career in cyber security.



The competition continues to be a team event, with each one made up of 4 students that identify as female, from Year 8.

**Phase 1:** the online qualifying round to identify the top teams in each home nation and English region.

**Qualifier round:** 29 Nov- 8 Dec 2021

Get involved now!

### How do I teach ... Blog

Looking for creative ideas? Maybe you're an Early Career Teacher or you are in your teacher training year and you are looking for new ideas.



Perhaps, you're a more experienced teacher looking to shake up your curriculum. Whatever your length of service, this blog is for you.

Read the blog

## Creative and Fun!

### Young Animator



YAY UK is here to help, share and celebrate all of the work that talented young animators are making in the UK through our online club.

For teachers who want more resources for their students, please look at the following link you may find it useful:

Create with students

### Inspiring Classroom Activities

Teaching London Computing in conjunction with cs4fn have produced a series of fun, mainly unplugged, activities for use in the classroom, suitable for all ages.

Look at the pages on [resources for secondary computing](#) and our [resources for primary schools](#).



Take a look

## Read More!

### Education & Careers One Minute Mentor

Hear from **Audio Visual artist, Nyokeë** on her journey in video games & advice for the future industry!

One Minute Mentor (OMM) is a careers resource, which aims to inspire pupils with the breadth of roles available in the creative digital sector through punchy, digestible videos hosted on our YouTube channel. This resource features a library of one-minute videos created by industry professionals to educate aspiring pupils on careers pathways they might not have otherwise considered.



Watch and listen

### Introducing assessment for learning

#### Online and self-paced



Improve your responsiveness as a teacher and support all students learning and understanding in STEM subjects with assessment for learning approaches.

In this introductory online CPD course, you will develop your teaching skills to elicit student understanding through classroom assessment and consider how to take formative action to improve learning.

Give it a try