



May 2022

## London & Home Counties Computing Hub Community

We offer a number of courses to help you on your CPD journey whether it is to complete CSA programme and achieve the GCSE Computer Science Subject Knowledge certification or to complete the Primary certificate. Take a look through our newsletter to see what we have on offer in terms of CPD courses, support and enrichment.

**Contact:** [teachcomputing@lgs.slough.sch.uk](mailto:teachcomputing@lgs.slough.sch.uk) **Twitter:** [@CompHubLGS](https://twitter.com/CompHubLGS) **Web:** [LGS Computing Hub](https://www.lgscomputinghub.co.uk)

### Secondary CPD for teachers and trainees

How about completing one of our Face-to-face and remote courses:

[Foundation knowledge of computer science for KS3 and GCSE – remote](#) 16 May 9:00 – 15:45

[Python programming constructs: sequencing, selection & iteration – remote](#) 20 May 9:00 – 15:50

[Higher attainment in computer science - remote](#) 20 May 9:00 – 15:30

[An Introduction to algorithms, programming and data in CS – remote](#) 23 May 9:00 – 15:30

[Python programming: working with data – remote](#) 27 May 9:00 – 16:00

[Fundamentals of computer networks – remote](#) 6 June 9:00 – 16:05

[An introduction to computer systems, networking and security in CS – remote](#) 10 June 9:00 – 15:00

[The internet and cyber security – remote](#) 15 June 9:00 – 15:40

[Python programming constructs: sequencing, selection & iteration for OCR specification - remote](#) 13 June 9:00 – 14:50

[An introduction to computer systems, networking and security in GCSE computer science – face-to-face](#) 16 June 9:30 – 15:30

[Representing algorithms using flowcharts and pseudocode – face to face](#) 20 June 9:30 – 15:30

[Computer systems - input, output and storage - remote](#) 24 June 9:00 – 15:00

[Python programming constructs: sequencing, selection & iteration for AQA specification – remote](#) 27 June 9:00 – 14:50

[Maths in computer science – remote](#) 30 June 10:00 – 16:00

A new job role and you need support?

[New subject leaders of secondary computing –remote](#) 1 & 5 July 9:00 – 15:00

## Primary CPD



[Getting started with Y6 – remote](#) 18 May 15:45 – 17:15

[Teaching key stage 1 computing - Module 2 - remote](#) 23 & 25 May 13:30 – 15:30

[Teaching key stage 2 computing - Module 2 - remote](#) 6 & 8 June 13:30 – 15:40

[Assessing computational thinking in primary schools - short course](#) – remote 9 June 14:00 – 15:30

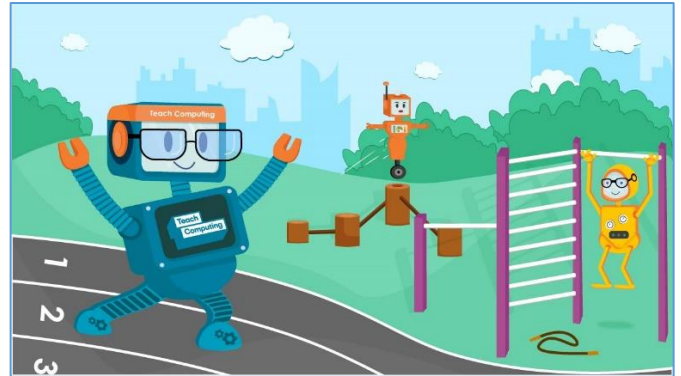
[Primary programming and algorithms – remote](#) -15 June 9:00 – 14:55

[Preparing for Ofsted in primary computing - short course](#) – remote 16 June 15:45 – 17:15

[Leading primary computing](#) – remote 21 June 9:00 – 15:00 & 28 June 9:00 – 14:30

London & Home Counties Computing Hub courses

## Ready to take the CSA test and need support? CS Champion support



Are you ready to take the 30 minute test or need a few more hours of CPD?

Work with our CS Champion to help you prepare. When you complete the programme and pass the test you will receive your CSA certificate AND your school will receive the bursary of £920.

[Preparing to take the CSA test - short course – 20 May 15:30 – 18:30](#)

[Preparing to take the CSA test - short course – 10 June 15:30 – 18:30](#)

[Preparing to take the CSA test - short course – 24 June – 15:30 – 18:30](#)

[Preparing to take the CSA test - short course – 8 July – 15:30 – 18:30](#)



## Graduates of the Computer Science Accelerator Celebration event

Celebrate your achievements by [booking](#) on to a CSA celebration event in your area in July. Your local event for the South East is Digital Planetarium at Winchester Science Centre, or for London Westminster City Hall - Lord Mayor's Parlour

It is an opportunity for CSA graduates to meet and celebrate with one another, recognising your achievements and dedication to professional development, and wider impact as a result.

## We can support you!

### What do you need?

FREE computing curriculum check up



We can complete a 30-60 minute curriculum review of your computing provision in your primary or secondary school and help you develop your computing curriculum through a needs analysis.

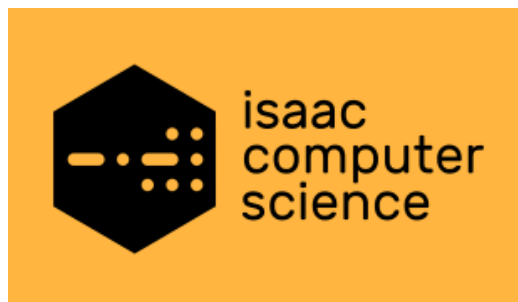
Take the opportunity to have a 'Health check' where we can find out more about the delivery of computing in your school.

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](#)

### ISAAC Computer Science

A level Computing support but now GCSE Computing support too.



New GCSE topics are now available on the Isaac platform.

Take a look at the different types of [events](#) available:

A level Booster events

A level Student Masterclass

GCSE Student Explorer

GCSE Student Voyager

Teacher CPD events

[Link to GCSE topics](#)

## For your school

### The NCCE Computing Quality Framework for Schools



The National Centre for Computing Education (NCCE) Computing Quality Framework is intended to help schools review their progress in developing the computing curriculum. The framework takes you through each aspect of computing, helping you to access the NCCE's wide range of resources, report, and progress. The development of the framework was funded by the DfE .

[NCCE Computing Hubs](#) will be able to focus their support based on the outcomes of the self-reviews of schools in their regions.

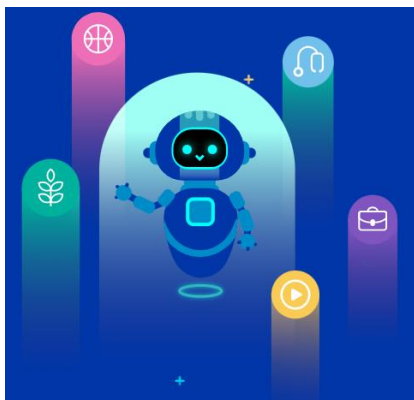
[Follow the link](#)

## Engaging and Fun!

### Cyber Explorers

#### Careers of the future demand digital skills

A fun, free and interactive learning platform for future digital superstars. An exciting addition to UK curriculum delivery or after school activities.



- It is developed for 11-14 year old students with
- Multiple challenges and character career paths to explore.
- Badges earned as students navigate through Cyber City.
- An exciting ultimate challenge to put cyber skills to the test.
- 10 - 15 min learning time per episode.
- 100% Free. No ads. No subscription fees

**Register your school**



### Digital Ambassador programme

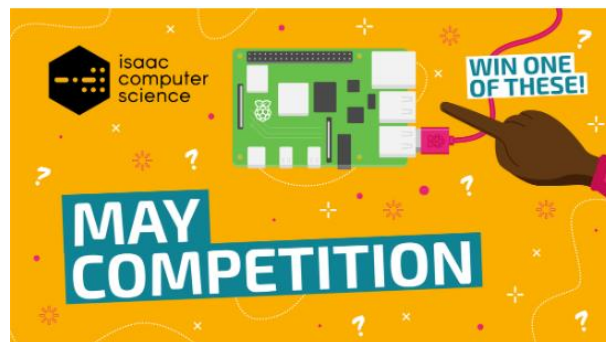
It's crucial to inspire and excite young people about STEM (Science, Technology, Engineering and Maths). Our Digital Ambassadors programme brings people who work in STEM industries into the classroom virtually.

Sign up for your live Q&A and we will send you a pre-recorded short film by the STEM Ambassador about their job & career to watch prior to Q&A, a teacher pack and worksheets.

**Register your school**

### ISAAC may Competition

#### Enigma Challenge



#### Can you crack our top secret Enigma challenge?

- Complete a cryptography game board to be in with the chance of getting to the next stage.
- 50 students will be randomly selected and sent a unique message encrypted by Enigma.
- Decrypt it and you can win 1 of 50 Raspberry Pi 4 kits.

*Hint: it is themed around the Queen's Jubilee.*

**Take part now**



### Teachers and Students join the STEM NOW team for a live session with one of our STEM Ambassadors.

Virtual treasure hunt tour of RAL Space (KS2)  
Wed, 25 May 2022 14:00 – 14:50 [Book](#)  
Roarsome Dinosaurs for years 5 to 8  
Thursday 9 June 14:00 – 14:50 [Book](#)

**Events calendar**

