



setsa  
south essex  
teaching school  
alliance

## London and Essex Computer Hub Update

October 2020

### The NCCE is celebrating the first 1000 teachers to complete the CS Accelerator programme!...Will you be next?

Register and begin by identifying areas for development in our online subject knowledge analysis tool and complete at least 10 hours CPD face to face, remotely or online, thus gaining the subject knowledge required to teach the GCSE curriculum with confidence, and drive attainment in your school.

Throughout, you can access a network of on and offline support to guide you through your professional development journey and finally pass the short assessment to obtain a professionally-recognised training certificate, awarded by BCS, The Chartered Institute for IT

All of this is completely FREE and you can earn a bursary of up to £1800 for your school

[Further details and Register here](#)

Book our Upcoming Remote Courses



## Python programming: working with data - remote

In this course you'll learn about data types, and how data structures are manipulated in Python programs.

**Start date:** 3 November 2020 4-5pm

**Session:** 3 x 1 hour

[Book now](#)



## An introduction to algorithms, programming and data in GCSE computer science – remote

Create some simple block-based computer programs and discover how to implement them in the text based language Python.

**Start date:** 12 November 2020 4-5pm

**Sessions:** 3 x 1 hour

[Book now](#)

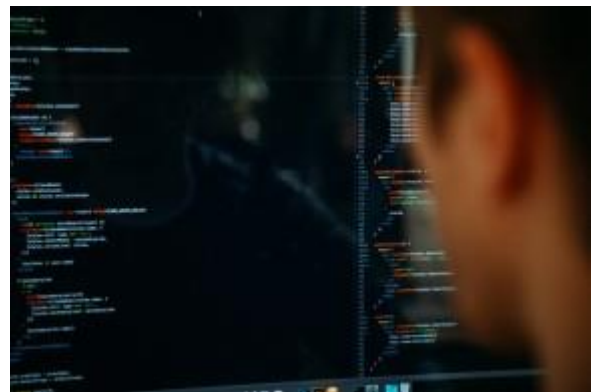
## Representing algorithms using flowcharts and pseudocode - remote

Improve your knowledge of algorithms to the level appropriate for GCSE teaching. Become confident in using the key building blocks of sequence, selection and iteration, and learn to apply algorithmic thinking.

**Start date:** 9 November 2020 4-5pm

**Sessions:** 3 x 1 hour

[Book now](#)



## The internet and cyber- security - remote

Build on knowledge of local computer networks to cover the globally connected systems forming the internet.

**Start date:** 30 November 2020 4-5pm

**Sessions:** 4 x 1 hour

[Book now](#)

Prefer to learn in person?

## Python programming constructs: sequencing, selection and iteration - face to face

Develop your foundational knowledge around the Python language.

**Date:** 30 November 2020 9.30am-3.30pm

**Where:** Harris Academy, Chafford Hundred



[Book now](#)

These courses have been organised by the London and Essex Computing Hub

## How we can support you

### No GCSE Computer Science at your school? No Problem!

Our Subject Matter Experts (SME) offer individual school level support to help develop computer science in YOUR school.



Incentives available of up to £4000 for any school not currently offering CS GCSE

[Contact your local SME](#)

### Support for A Level teachers and students

Access a range of teacher CPD events, student workshops and full curriculum support resources for the AQA and OCR Examination boards

[Read more](#)

### Full range of curriculum teaching resources KS1-4

Find everything you need to teach the complete curriculum from KS1-KS4 including lesson plans, slides, worksheets, homework and assessment

[Click here for more information](#)



## Connect with your local Computing at School (CAS) Community

CAS is a grass roots supportive community of people, passionate about computing and working together to support teachers and ensure that every child has a world leading computing education

[Get involved here](#)

Get in touch: **Hub Lead** David Struthers [d.struthers@setsa.info](mailto:d.struthers@setsa.info)  
**Hub Project Officer** Sarah Beresford-Cole [s.beresfordcole@setsa.info](mailto:s.beresfordcole@setsa.info)

Follow us on Twitter [@cs\\_essex](https://twitter.com/cs_essex)

These emails are sent on behalf of the National Centre for Computing Education, a consortium of STEM Learning, the Raspberry Pi Foundation and BCS, The Chartered Institute for IT.

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