



Remote CPD courses delivered by
Langley Grammar School Computing Hub
@CompHubLGS
TeachComputing@lgs.slough.sch.uk



Spring Term Courses

We are running a range of remote NCCE computing courses to support teachers this term. Many courses are free or low cost (£35) and your school may be eligible for a bursary of £220. All courses can be booked via the

Teach Computing website:

<https://teachcomputing.org/secondary-teachers>

For information regarding fees and bursaries see:

<https://teachcomputing.org/bursary>

Secondary courses

Higher attainment in GCSE computer science – meeting the challenges of the exams. CE 439

Explore how to improve attainment in GCSE Computer Science, look at how students should tackle exam questions and use key resources such as moderator reports, how retrieval and interleaving can be used and mapping progression from KS3 to KS4.

Friday 22nd January 14:00-16:10 (session 1 of 2)

Monday 25th January 14:00-16:00 (session 2 of 2)

Search and Sort Algorithms CE430

An understanding of algorithms is fundamental to success in GCSE computer science. This course will teach you how algorithms manipulate data to achieve desired aims.

Wednesday 27th January 16:00 – 17:00 (session 1 of 3)

Friday 29th January 16:00 – 17:00 (session 2 of 3)

Thursday 4th February 16:00 – 17:00 (session 3 of 3)

Representing Algorithms using Flowcharts and Pseudocode CE420

This course aims to deepen understanding of computer science, information technology and digital literacy.

Thursday 4th February 16:00 – 17:00 (session 1 of 3)

Monday 8th February 16:00 – 17:00 (session 2 of 3)

Friday 12th February 16:00 – 17:15 (session 3 of 3)

The Internet and Cyber Security CE432
Build on knowledge of local computer networks to cover the globally connected systems forming the internet.

Friday 12th February 16:00 – 17:00 (session 1 of 4)
Monday 22nd February 16:00 – 17:00 (session 2 of 4)
Tuesday 23rd February 16:00 – 16:40 (session 3 of 4)
Thursday 25th February 16:00 – 16:45 (session 4 of 4)

Fundamentals of computer networks - remote CE422

Learn how computers of all shapes and sizes are connected physically, or wirelessly, and how this arrangement affects how data is shared

Monday 15th February 14:00 – 15:00 (session 1 of 3)
Wednesday 17th February 14:00 – 15:00 (session 2 of 3)
Friday 19th February 14:00 – 16:00 (session 3 of 3)

Python programming constructs: sequencing, selection and iteration. CE423

Learn how to write code to input, process and output data, and how to manipulate data stored in variables. Using the building blocks of sequence, selection and iteration you'll begin to understand how programs are constructed to perform a multitude of simple and more complex tasks.

Monday 1st March 09:00 – 16:30 (whole day course)

Introduction Algorithms, Programming and Data in GCSE Computer Science CE428

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

Monday 15th March 16:00 – 17:00 (session 1 of 3)
Wednesday 17th March 16:00 – 17:00 (session 2 of 3)
Friday 19th March 16:00 – 17:00 (session 3 of 3)

[**Book now link**](#)