

## Computer Science Accelerator Remote Courses (KS4)

All courses are FREE to attend for maintained schools and attract a subsidy of £220 if they start before 2.30pm

Code	Activity title	Why attend	Dates	Booking Link
<b>CH438 H05</b>	An introduction to computer systems, networking & security in computer science	This evidence-based CPD aims to raise knowledge amongst teachers of how to achieve the most out of your students, working towards grades 1–3 in GCSE computer science.	5 December 1.30-6pm (remote)	<a href="#">Book</a>
<b>CH438 H07</b>	An introduction to computer systems, networking & security in computer science	As above	26 January 2023 2-6pm (remote)	<a href="#">Book</a>
<b>CH426 H04</b>	Foundation Knowledge of Computer Science for KS3 and GCSE	For computer science teachers who are new or existing to the subject. This CPD covers the foundation subject knowledge required to teach the computing programme of study.	13 December 9.30am-3.30pm (remote)	<a href="#">Book</a>
<b>CH428 H05</b>	An Introduction to algorithms, programming and data in computer science	<p>Find out how algorithms are designed and how programs are written to provide clear instructions to machines. Learn about the binary system used by computers to store and process data, and how to convert to and from the familiar denary system of numbers zero to nine.</p> <p>Create some simple block-based computer programs and discover how to implement them using the Python programming language. Use your knowledge to write programs that can handle user input and manipulate variable values before outputting simple messages to the screen.</p>	3 sessions: 19 January 2023 2.30-4pm  26 January 3.30-5pm  2 February 4-5pm (all remote)	<a href="#">Book</a>

<p><b>CH428 H09</b></p>	<p>An Introduction to algorithms, programming and data in computer science</p>	<p>As above</p>	<p>2 sessions: 8 March 2023 2.30-5.30pm and 15 March 4-5pm (remote)</p>	<p><a href="#">Book</a></p>
<p><b>CH439 H06</b></p>	<p>Higher attainment in computer science – meeting the challenge of exams</p>	<p>This evidence-based CPD aims to raise knowledge amongst teachers of how to achieve the most out of your students, whilst preparing for their GCSE exams in computer science. Whether you're already teaching computer science or completely new to the subject, this course is designed to support your understanding of how to increase student attainment at GCSE level.</p>	<p>2 sessions: 2 February 2023 2-4pm and 9 February 3.30-5.30pm (remote)</p>	<p><a href="#">Book</a></p>
<p><b>CH423 H06</b></p>	<p>Python programming constructs: sequencing, selection &amp; iteration</p>	<p>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.</p>	<p>2 sessions: 16 February 2023 2.30-5.30pm  23 February 4-5.30pm (all remote)</p>	<p><a href="#">Book</a></p>
<p><b>CH478 H03</b></p>	<p>Supporting GCSE computer science students at grades 1-3</p>	<p>This evidence-based CPD aims to raise knowledge amongst teachers of how to achieve the most out of your students working towards grades 1-3 in GCSE computer science</p>	<p>2 sessions: 21 February 2023 2-4pm and 28 February 3.30-5.30pm (remote)</p>	<p><a href="#">Book</a></p>

## NCCE Core Courses – Secondary

See course for further information

Code	Activity title	Why attend	Dates	Booking Link
<b>CH211 H02</b>	New Subject Leaders of Secondary Computing (Hatfield)	For new and aspiring curriculum leaders of computing in secondary schools. Whether you are new to the role, or looking to progress in the future, this course will build confidence and clarity allowing you to succeed.	2 days: 7 December 9am-5pm and 14 December 9am-5pm (face-to-face)	<a href="#">Book</a>  £130