








Who is this pathway for?

For teachers who are confident with programming but need help with computer systems and networks, this learning pathway will improve your subject knowledge to meet the requirements of computer science up to GCSE level.







Participate in professional development

Complete two days of professional development, including at least one face-to-face or remote course. You can choose another face-to-face, remote or online course to make up the remaining hours of CPD required to unlock the assessment.

Key CPD to support your development

	Python programming constructs: Sequencing, selection and iteration	CP223
	Python programming constructs: Sequencing, selection and iteration	CP423
	Representing algorithms using flowcharts and pseudocode	CP420
	The internet and cybersecurity	CP432
	How computers work: Demystifying computation	CO206
	Programming 101: An introduction to Python for educators	CO207
	Understanding maths and logic in computer science	CO213

Additional courses

	Python programming: working with data	CP433
	Search and sort algorithms	CP430
	Maths in computer science	CP434
	Programming 102: Think like a computer science	CO208
	An introduction to computer networking for teachers	CO214
	Introduction to cybersecurity for teachers	CO216

Support to complete your pathway

- Use the questionnaire on your dashboard to support you to find further suitable courses, based on your level of experience.
- Download the **CSA Handbook** to find out more about the topics, explore useful resources, identify further CPD and practice sample assessment questions.
- To find out more about the programme, our national support network and how we can help, email the team at info@teachcomputing.org.

Take the next step

Once you have completed your Subject knowledge certificate, if you work in secondary state-funded education you will receive free access to all our courses, including our follow-on **Secondary certificate**. This qualification can help to upskill your pedagogical practice, curriculum, and leadership.