

Who is this pathway for?

For teachers who are new to computing and looking to develop their subject knowledge, this learning pathway gives a comprehensive introduction to the entire computer science curriculum 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

	Foundation knowledge of computer science for KS3 & GCSE	CP226
	Foundation knowledge of computer science for KS3 & GCSE	CP426
	Introduction to algorithms, programming and data in computer science	CP228
	Introduction to algorithms, programming and data in computer science	CP428
	Introduction to computer systems, networking and cyber security in computer science	CP238
	Introduction to computer systems, networking and cyber security in computer science	CP438
	Programming 101: An introduction to Python for educators	CO207
	How computers work: Demystifying computation	CO206
	Data representation in computing: bringing data to life	CO209

Additional courses

	Python programming constructs: sequencing, selection & iteration	CP223
	Python programming constructs: sequencing, selection & iteration	CP423
	Representing algorithms using flowcharts and pseudocode	CP420
	Fundamentals of computer networks	CP422
	Impact of technology: How to lead classroom discussions	CO215
	Understanding computer systems	CO212
	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.