

COMPUTER SCIENCE ACCELERATOR (CSA) PROGRAMME: Summer Term 2022 (updated: 17/05/22)

Whether you are new/aspiring to teach Computing or want to enhance your subject knowledge the CSA programme is for you. These courses will increase your confidence to teach up to GCSE Computer Science and are fully funded by the DfE. Generous bursaries are available including £220 for each F2F or remote course attended up to a maximum of 4 courses ie £880. For completing 2 courses (at least one of which is F2F or remote) there is a £300 bursary and on successfully taking a short test a further £620, so a possible maximum bursary of £1,800 per participant. Trainees/returners/supply teachers will receive a delayed bursary of £920 with payments being made on successful employment within a state-funded secondary school. *These bursaries have to be used by July 2022 – don't miss out!*

Attend our courses and support will be available through our CS Champion who can provide guidance throughout the programme, and advise on next steps following its completion. Participants will be supported throughout their journey with one-to-one support. To request support complete this [form](#) and for details of all available CSA courses go to www.bctsa.org/computing-hub or email teachcomputing@bishopchalloner.bham.sch.uk.

NEW TO COMPUTING PATHWAY

Title	Date(s) available:	F2F Venue/Remote	Booking Link
Foundation knowledge of computer science for KS3 and GCSE	4 th June, 11 am – 12 pm 11 th June, 11 am – 12 pm 18 th June, 11 am – 12.30 pm 25 th June, 11 am – 12 pm	Remote	Foundation knowledge of computer science - 4 June Note: as this particular instance of the course runs on a Saturday, there is no bursary available
	14 th June, 2.15 pm – 4.30 pm 16 th June, 4 pm – 5.30 pm 21 st June, 4 pm – 5 pm	Remote	Foundation knowledge of computer science - 14 June
	5 th July, 9.30 am – 3.30 pm	F2F: Birmingham	Foundation knowledge of computer science - 5 July
	14 th July, 9 am – 3 pm	Remote	Foundation knowledge of computer science - 14 July
An introduction to algorithms, programming and data in computer science	19 th May, 9 am – 3 pm	Remote	An Introduction to algorithms - 19 May
	8 th June, 9 am – 3 pm	Remote	An Introduction to algorithms - 8 June
	28 th June, 2.15 pm – 3.45 pm 30 th June, 4 pm – 5.30 pm 5 th July, 4 pm – 5 pm	Remote	An Introduction to algorithms - 28 June
	6 th July, 9.30 am – 3.30 pm	F2F: Birmingham	An introduction to algorithms - 6 July
	15 th July, 9 am – 3 pm	Remote	An Introduction to algorithms - 15 July
An introduction to computer systems, networking and security in computer science	25 th May, 9 am – 3 pm	Remote	An introduction to computer systems - 25 May
	14 th June, 2.15 pm – 4.30 pm 20 th June, 4 pm – 5 pm	Remote	An introduction to computer systems - 14 June
	7 th July, 9.30 am – 3.30 pm	F2F: Birmingham	An introduction to computer systems - 7 July
	11 th July, 9 am – 3 pm	Remote	An introduction to computer systems - 11 July

PREPARING TO TEACH GCSE COMPUTER SCIENCE PATHWAY

Attend the Intensive CPD Programme consisting of all the courses in this pathway on 3 consecutive face-to-face days being held at President Kennedy Academy, Coventry:

- Python programming constructs: sequencing, selection & iteration: 28th June, 9.30 am – 3.30 pm
- The internet and cyber security: 29th June, 9.30 am – 3.30 pm
- Representing algorithms using flowcharts and pseudocode: 30th June, 9.30 am – 3.30 pm

Click on link for details and to book: [Preparing to teach GCSE computer science – intensive CPD](#)

Or register for the courses individually – dates, times and booking links below:

Title	Date(s) available:	F2F Venue/Remote	Details and Booking Link
Python programming constructs: sequencing, selection & iteration	26 th May, 9 am – 3 pm	Remote	Python programming constructs - 26 May
	21 st June, 9.30 am – 3.30 pm	F2F: Wolverhampton	Python programming constructs - 21 June
	28 th June, 9.30 am – 3.30 pm	F2F: Coventry	Python programming constructs - 28 June
	5 th July, 9 am – 3 pm	Remote	Python programming constructs - 5 July
The internet and cyber security	8 th June, 9 am – 3 pm	Remote	The internet and cyber security - 8 June
	29 th June, 9.30 am – 3.30 pm	F2F: Coventry	The internet and cyber-security - 29 June
	8 th July, 9 am – 3 pm	Remote	The internet and cyber security - 8 July
Representing algorithms using flowcharts and pseudocode	30 th June, 9.30 am – 3.30 pm	F2F: Coventry	Representing algorithms - 30 June
	12 th July, 9 am – 3 pm	Remote	Representing algorithms - 12 July

PROGRAMMING WITH PYTHON PATHWAY

Attend the Intensive CPD Programme consisting of all the courses in this pathway on 3 consecutive face-to-face days being held at The Khalsa Academy Wolverhampton:

- Python programming constructs: sequencing, selection & iteration: 21st June, 9.30 am – 3.30 pm
- Python programming: working with data: 22nd June, 9.30 am – 3.30 pm
- Python programming: advanced subject knowledge, implementation and testing: 23rd June, 9.30 am – 3.30 pm

Click on link for details and to book: [Programming with Python – intensive CPD](#)

Or register for the courses individually – dates, times and booking links below:

Title	Date(s) available:	F2F Venue/Remote	Details and Booking Link
Python programming constructs: sequencing, selection & iteration	26 th May, 9 am – 3 pm	Remote	Python programming constructs - 26 May
	1 st June, 9 am – 3.30 pm (OCR version)	Remote	Python programming constructs: for OCR - 1 June
	21 st June, 9.30 am – 3.30 pm	F2F: Wolverhampton	Python programming constructs - 21 June
	27 th June, 12.30 pm – 5.30 pm (OCR version)	Remote	Python programming constructs: for OCR - 27 June
	28 th June, 9.30 am – 3.30 pm	F2F: Coventry	Python programming constructs - 28 June
	5 th July, 9 am – 3 pm	Remote	Python programming constructs - 5 July
Python programming: working with data	22 nd June, 9.30 am – 3.30 pm	F2F: Wolverhampton	Python programming: working with data - 22 June
	6 th July, 9 am – 3 pm	Remote	Python programming: working with data - 6 July
Python programming: advanced subject knowledge, implementation and testing	10 th June, 9 am – 3 pm	Remote	Python programming: advanced subject knowledge - 10 June
	23 rd June, 9.30 am – 3.30 pm	F2F: Wolverhampton	Python programming: advanced subject knowledge - 23 June
	8 th July, 9 am – 3 pm	Remote	Python programming: advanced subject knowledge - 8 July

TEACHING GCSE (OTHER)

Title	Date(s) available:	F2F Venue/Remote	Details and Booking Link
Higher attainment in computer science – meeting the challenges of the exams	23 rd May, 9 am – 3 pm	Remote	Higher attainment in computer science - 23 May
	5 th July, 2.30 pm – 3.50 pm	Remote	Higher attainment in computer science - 5 July
	8 th July, 2.30 pm – 3.30 pm		
	13 th July, 2.30 pm – 4.30 pm		
Supporting GCSE computer science students at grades 1 - 3	17 th May, 9 am – 2.30 pm	Remote	Supporting GCSE students at grades 1-3 17 May
	13 th June, 9 am – 3 pm	Remote	Supporting-gcse-students-grades-1-3 13 June
	27 th June, 2.30 pm – 3.30 pm	Remote	Supporting GCSE students at grades 1-3 27 June
	30 th July, 2.30 pm – 4.45 pm		
6 th July, 2.30 pm – 3.45 pm			
Maths in computer science	7 th June, 9 am – 3 pm	Remote	Maths in computer science - 7 June
Search and sort algorithms	7 th June, 9 am – 2.30 pm	Remote	Search and sort algorithms - 7 June

COMPUTER SYSTEMS

Title	Date(s) available:	F2F Venue/Remote	Details and Booking Link
Computer systems: input, output and storage	24 th May, 9.30 am – 3 pm	Remote	Computer systems: input, output and storage - 24 May
Computer processors and instruction sets	27 th May, 9 am – 3 pm	Remote	Computer processors and instruction sets - 27 May
Fundamentals of computer networks	7 th June, 9.30 am – 4.30 pm	Remote	Fundamentals of computer networks - 7 June
Fundamentals of computer networks	9 th June, 1.30 – 4.45pm	F2F: Birmingham	Fundamentals of computer networks – 9 June
	16 th June, 1.30 – 3.00pm		

CSA Revision Sessions - remote

Preparing to take the CSA test sessions will be taking place throughout the Summer Term including:

- 19th May, 4.15 pm – 5.45 pm: [Preparing to take the CSA test 19th May](#)
- 23rd June, 4.15 pm – 5.45 pm: [Preparing to take the CSA test 23rd June](#)

West Midlands CSA Celebration - save the date!

The CSA Celebration will recognise and celebrate teachers who have completed their CSA journey (subject knowledge certificate). This CSA Celebration event will take place on Monday, 4th July, 1 pm – 3 pm at Millenium Point, Curzon Street, Birmingham. Invitations will be sent out nearer the date to all those that have completed the CSA Programme and achieved the certificate.

Short Courses/Events – remote (free, no bursary)

- 8th June, 3.30 pm – 4.30 pm: [Introduction to the Computing Quality Framework](#)
- 27th June, 1.30 pm – 4.00 pm: [West Midlands Secondary Computing Conference](#)
- 5th July, 2.30 pm – 4.30 pm: [Understanding and delivering the programming project for OCR A-level computer science](#)