



## Odyssey Computing Hub on behalf of Teach Computing Spring Term Secondary Computer Science CPD

Whether you are new to teaching GCSE or want to enhance your subject knowledge we will have a course to support your CPD journey. The Computer Accelerator Programme is a professional development programme that will help you increase your confidence to teach up to GCSE computer Science as well as being fully funded by the DFE. Alongside these courses we are also able to deliver bespoke computer science CPD for your school. Please contact [teachcomputing@odysseyts.org](mailto:teachcomputing@odysseyts.org) for further information.

### HALF TERM CSA COURSES - complete a course in a day – Remote

#### Higher attainment in GCSE Computer Science

**Times:** 09.30-15.30

**Dates:** 21.2.22

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/f840c21b-e646-ec11-8c62-0022480078b5>

#### Fundamentals of computer Networks

**Times:** 09.30-16.00

**Dates:** 22.2.22

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/34cef82e-e646-ec11-8c62-0022480078b5>

#### An Introduction to computer systems, Networking & Security

**Times:** 09.30-16.00

**Dates:** 23.2.22

**Booking link:** <https://www.stem.org.uk/cpd/504952/introduction-computer-systems-networking-and-security-computer-science-remote>

#### An Introduction to algorithms, Programming, and data

**Times:** 09.30-16.00

**Dates:** 24.2.22

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/7e823915-2049-ec11-8c62-002248007616>

#### New to computing

Start your journey to becoming upskilled with the subject knowledge and confidence to teach computing. By booking onto this pathway, you'll complete two of the following courses from the [Computer Science Accelerator programme](#):

**Accelerator programme:**

**Date** - 23<sup>rd</sup> and 24<sup>th</sup> February 2022

**times** – 09.00-16.00 each day

**read more** - [New to computing pathway for teachers - remote | STEM](#)

### CSA programme - REMOTE

#### Representing Algorithms using Flowcharts and Pseudocode (remote)

**Times:** 18.30-19.30

**Dates:** 15.3.22, 21.3.22 & 28.3.22

3 Synchronous and 2 asynchronous activities

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/f63f3798-baef-eb11-94ef-000d3a8743d2>

#### The Internet and Cyber Security (remote)

You will develop your knowledge of computer security including measures to guard against a range of threats, both technical and behavioural.



**Times:** 17.30-18.30

**Dates:** 17.3.22, 22.3.22, 24.3.22 & 29.3.22

4 Synchronous and 2 asynchronous activities

**Booking link:** <https://nccse.stem.org.uk/cpdredirect/f63f3798-baef-eb11-94ef-000d3a8743d2>

### Python programming Constructs: Sequencing, Selection, and Iteration (remote)

Take your first steps to becoming a competent teacher of Python programming; this CPD will develop your foundational knowledge around the Python language

**Times:** 16.00-17.00

**Dates:** 29.3.22, 31.3.22 & 7.4.22

**Booking link:** <https://nccse.stem.org.uk/cpdredirect/3f258224-b4ef-eb11-94ef-000d3a8743d2>

### Higher Attainment in GCSE computer Science – Meeting the challenge of Exams

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.

**Times:** 17.30-18.30

**Dates:** 11.5.22

3 Synchronous and 2 asynchronous activities

**Booking link:** <https://nccse.stem.org.uk/cpdredirect/29ebceff-e5ee-eb11-94ef-000d3a8743d2>

### Python programming Constructs: Sequencing, Selection, and Iteration

Take your first steps to becoming a competent teacher of Python programming; this CPD will develop your foundational knowledge around the Python language.

**Times:** 16.15-17.15

**Dates:** 9.6.22

**Booking link:** <https://www.stem.org.uk/cpd/500636/python-programming-constructs-sequencing-selection-iteration-remote>

## Easter CSA courses

### HALF TERM CSA COURSES - complete a course in a day remote

#### Python programming Advance Subject knowledge, implementation and testing

As you progress beyond the basics of Python programming, this course will help you develop an understanding how programs are developed using the software life cycle, specifically the implementation and testing of a working solution. During this course you'll develop your Python skills by exploring advanced programming techniques such as authentication & nested selection.

**Times:** 09.30-15.30

**Dates:** 19.4.22

**Booking link:** <https://nccse.stem.org.uk/cpdredirect/20659471-e646-ec11-8c62-0022480078b5>

#### The Internet and Cyber Security (remote)

You will develop your knowledge of computer security including measures to guard against a range of threats, both technical and behavioural.

**Times:** 09.30-16.00

**Dates:** 22.4.22

**Booking link:** <https://nccse.stem.org.uk/cpdredirect/626d24c6-e546-ec11-8c62-0022480078b5>

### New to computing

Start your journey to becoming upskilled with the subject knowledge and confidence to teach computing. By booking onto this pathway, you'll complete two of the following courses from the [Computer Science Accelerator programme](#):

We are offering two courses over half term – both remote and face to face.



### face to Face

**Date** – 13<sup>th</sup> and 14<sup>th</sup> April

**location:** Adfecto, Unit 23, The Steadings Business Centre, Maisemore GL2 8EY

**read more** - [New to computing pathway for ITT teachers - face to face | STEM](#)

### remote

**Date** – 11<sup>th</sup> and 12<sup>th</sup> April 2022

**times** – 09.00-16.00 each day

**read more** - [New to computing pathway for teachers | STEM](#)

### FACE TO FACE CSA Courses

#### Higher Attainment in GCSE computer Science – Meeting the challenge of Exams

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.

**Times:** 09.30-15.30

**Dates:** 9.3.22

Location - Pates

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/a1202bfc-64f3-eb11-94ef-0022481a8ef4>

#### New Subject leaders of computing

Whether you're already teaching computer science or completely new to the subject, this course is designed to support your understanding of how to lead a department in computing.

**Times:** 09.30-15.30

**Dates:** 16.3.22 & 11.5.22

Location - Pates

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/03f3300d-b9ef-eb11-94ef-000d3a8743d2>

### Teach Computing Core Secondary courses

#### Exploring Ofsted Deep Dives in secondary Computer Science

In this session you'll learn about Deep Dives in Computing including the inspection flow and what this means for your curriculum intent.

**Dates:** 10.3.22

**Booking link:** <https://www.stem.org.uk/cpd/507712/exploring-ofsted-deep-dives-computer-science>

**Dates:** 30.6.22

**Booking link:** <https://www.stem.org.uk/cpd/501458/exploring-ofsted-deep-dives-computer-science>

#### Assessment In Secondary Computer Science (remote)

Effective teaching is underpinned by the accurate use of assessment, enabling teachers to check knowledge and understanding of children. The use of accurate assessment allows teaching to be adapted and personalised, improving the learning journey for students.

**Times:** 16.00-17.30

**Dates:** 16.6.22

**Booking link** <https://www.stem.org.uk/cpd/500651/assessment-secondary-computing-remote>

#### Encouraging Girls into Computer Science (remote)

There is a gender imbalance in computing that needs addressed. There needs to be strategies inside and outside of the classroom to support

**Times:** 16.15 – 17.45

**Dates:** 22.6.22

**Booking link:** <https://ncce.stem.org.uk/cpdredirect/e8cd158f-65f3-eb11-94ef-0022481a8ef4>