Learning track:
Teaching advanced GCSE computer science

Who is this track for?
For teachers who are already confident in teaching the GCSE computer science specification and looking to improve student progress and attainment even further, this track will guide you through the more advanced elements of the curriculum.

1 remote learning courses 3 online courses

Key stage 4

Python programming: working with data
In this course you’ll learn about data types, and how data structures are manipulated in Python programs.
New courses start every week on:
21, 28, July and 4, 10 August 2020
CP433 remote course

Programming with GUls
Discover how to build your own Graphical User Interface (GUI) with Python and guizero.
Launches 3 August:
Course open to take at any point over the summer
CO217 online course

Introduction to databases and SQL
Learn what databases are and why we use them, exploring how to use SQL to search and manipulate the data.
Launches 6 August:
Course open to take at any point over the summer
CO225 online course

Design and prototype embedded computer systems
Discover embedded system design and work your way through the product design lifecycle.
Launches 3 August:
Course open to take at any point over the summer
CO218 online course
Learning track:
You might also consider

Remote learning:
Live courses that are delivered online by our network of Computing Hubs and can be accessed from home. Remote learning offers the flexibility of short sessions designed to fit around your day.

Other courses to enhance this track:
- CP432 - The internet and cyber security
- CP420 - Representing algorithms using flowcharts and pseudocode

Online courses:
On-demand courses that offer a new and exciting way to learn about computing and digital making. Take part in these free online courses and learn at your own pace, in the comfort of your own home.

Other courses to enhance this track:
- CO221 - Introduction to web development
- CO210 - Object oriented programming in Python: build your own adventure game
- CO220 - Introduction to Encryption and Cryptography

Take the next step
To find out more about the programme, our national support network and how we can help, email the team at info@teachcomputing.org