

# Learning pathway: New to computer systems

## Who is this pathway for?

For teachers or aspiring 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 GCSE computer science.

Key stage 4



2 remote learning courses



2 online courses

1

### Introduction to computer systems, networking & security

Learn about the different components of computer hardware, including devices not instantly recognisable as computers.



CP438 remote course

2

### An introduction to computer networking for teachers

Build your knowledge and understanding of computer networks as a computer science teacher



CO214 online course

3

### Computer processors

Learn how computer program instructions written by humans are translated into machine code.



CP431 remote course

4

### Representing data with images and sound

Learn how data is represented through media - audio, visual and text.



CO209 online course

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 pathway:

CP422 - Fundamentals of computer networks

CP432 - The internet and cyber security

## 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 pathway:

CO212 - Understanding computer systems

CO216 - Introduction to cyber security for teachers

CO213 - Understanding maths and logic in computer science

## 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](mailto:info@teachcomputing.org)