

## **Subject Knowledge Certificate**

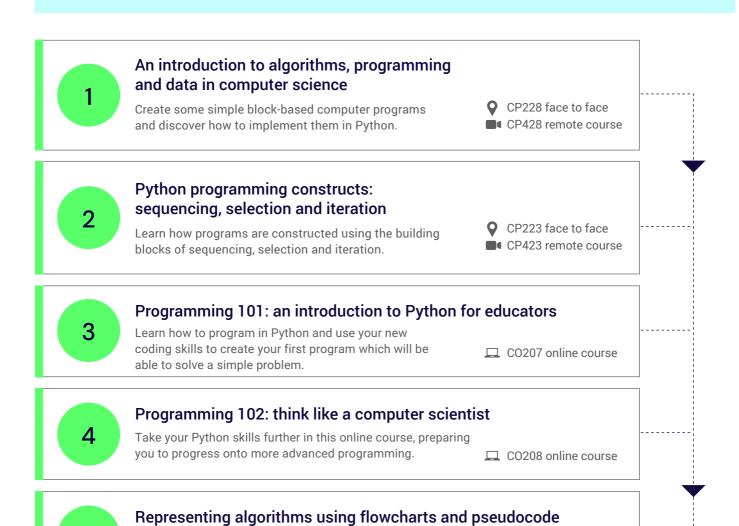
# Learning pathway New to algorithms and programming

## Who is this pathway for?

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for GCSE teaching.

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



Improve your knowledge of algorithms to the level appropriate

CP420 remote course



## **Subject Knowledge Certificate**

#### Remote courses:

Remote courses are live, interactive online sessions led by an experienced professional development leader.

#### Other courses to enhance this pathway:

CP433 - Python programming: working with data

CP463 - Python programming: advanced subject knowledge, implementation and testing

**CP464** - Python programming: analysis, design and evaluation

CP430 - Search and sort algorithms

#### 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:

CO219 - Programming 103: saving and structuring data

CO209 - Data representation in computing: bring data to life

## 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.
- <u>Download the CSA Handbook</u> 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 <u>Secondary certificate</u>. This qualification can help to upskill your pedagogical practice, curriculum, and leadership.