National Centre for Computing Education

Learning Pathway
Specialising or leading

Are you taking on a subject leadership role or looking to specialise in computing? This pathway will support you to build the confidence and expertise to lead computing effectively in your primary school.

Participate in professional development

Complete one full day face-to-face, remote or online course, or a combination of short courses that amounts to 6+ hours of professional development.

Choose CPD right for you

Leading primary computing – module 1	CP008
Leading primary computing – module 2	CP456
Assessment of primary computing	CP007
Primary computing for all	CP005
Implementing the Teach Computing Curriculum in your school	CP255
Developing and supporting programming within your primary school	CP003
Teaching primary computing through contexts	CP405
Get started with the Teach Computing Curriculum	CO040
Teaching computing systems and networks to 5–11 year olds	CO042
Creating an Inclusive Classroom: Approaches to Supporting Learners with SEND in Computing	CO700
Preparing for Ofsted in primary computing	CP486
Online safety through primary computing	CP469
Careers and enrichment in primary computing	CP441
Physical computing with crumble	CP252
Introduction to micro:bit in KS2	CP292
Introduction to the Teach Computing Curriculum	CP461
Assessing computational thinking in primary schools	CP457

Online Remote Face to Face

Click on the button with the course code above to proceed to the course page on the website.

Learning Pathway

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Develop your teaching practice

Choose at least one activity

- [ ] **Raise aspirations with a STEM Ambassador visit**

  Arrange a visit for your school to help pupils understand real-world applications of computing and raise their career aspirations through engaging activities.

- [ ] **Participate fully in an NCCE curriculum enrichment opportunity**

  Participate in a webinar or explore our partner enrichment resources to enable you to run an enrichment activity in your classroom.

- [ ] **Implement your professional development in the classroom and evaluate via the Impact Toolkit**

  Think about not only your actions but also collecting evidence of how the changes you make impact you, your colleagues, and your students.

- [ ] **Download and use the NCCE teaching and assessment resources in your classroom**

  Download and use a Teach Computing Curriculum resource, then reflect on how you used and adapted it in the classroom.

Develop computing in your community

Choose at least one activity

- [ ] **Gain accreditation as a professional development leader**

  Explore what makes CPD effective and how its impact can be evaluated as well as the strategies and tools you'll need when leading learning with adults.

- [ ] **Support other teachers and earn a STEM Community participation badge**

  You'll earn points for your activities on the STEM Community. Your points add up, and over time you will be rewarded with badges in recognition of your activity and participation in the community.

- [ ] **Undertake the initial assessment of your school using Computing Quality Framework**

  Review your school's progress in developing an exemplary computing curriculum and work towards achieving the Computing Quality Mark.

- [ ] **Work with your local Computing Hub to develop a school-level action plan for professional development**

  Computing Hubs support school's in the area with their journey in developing the computing curriculum.

- [ ] **Lead your school into a Computing Cluster, and develop an action plan with a Cluster advisor**

  Join a group of 3-6 eligible schools, which receive targeted support in professional learning to make progress within the Computing Quality Framework over a 12-month period

- [ ] **Join and present at your local Computing at School Community**

  CAS Communities are the hearts, hands, and minds of Computing at School activity across the UK. Join a local event and offer your insights, ideas and expertise to colleagues.

To find further information about any of our suggested activities or this pathway, visit:
teachcomputing.org/primary-certificate