Teach Computing Curriculum Journey

Download the curriculum resources: **ncce.io/get_tcc**

Key

AL	Algorithms
CS	Computing systems
CM	Creating media
DI	Data and information
DD	Design and development
ET	Effective use of tools
IT	Impact of technology
NW	Networks
PG	Programming
SS	Safety and security

— Computing
— GCSE CS: Programming
— GCSE CS: Theory

T level
BTEC
Apprenticeship
A level

KS4 ▲
KS3 ▼

Next steps

Physical computing project **CS, PG**
Cybersecurity **NW, SS**
Networks **NW, CS**
Impacts of technology **IT, CS**

Databases and SQL **PG, DI**
Programming: part 6 **PG, AL**

OOP (optional) **AL, PG**
HTML **AL, PG**
IT project management **ET, DD**
Spreadsheets **DI, DD**
Media **CM, DD**

Year 11

IT and the world of work **DD, IT**
Online safety **IT, SS**

Programming: parts 1–5 **PG, AL**
Data representations **DI, AL**
Algorithms **PG, AL**
Computer systems **CS, AL**

Year 10

Python programming with sequences of data **AL, PG**
Data science **DD, DI**
Cybersecurity **SS, IT**

Year 9

Mobile app development **ET, PG**
Introduction to Python programming **AL, PG**
Media: animations **ET, CM**
Representations: going audiovisual **AL, PG**
Physical computing **CS, PG**

Representations: from clay to silicon **CS, DI**

Computing systems **PG, CS**
Modelling data: spreadsheets **ET, CM**
Programming essentials: part I **AL, PG**
From semaphores to the internet **NW, CS**

Developing for the web **CM, PG**

Year 8

Media: vector graphics **CM, ET**
Programming essentials: part II **AL, PG**
Using media: gaining support for a cause **IT, ET**
Collaborating online respectfully **ET, SS**

Year 7

Sensing **PG, CS**
3D modelling **ET, CM**
Variables in games **PG, DD**
Introduction to spreadsheets **ET, DI**

KS2 ▼

Sharing information **NW, ET**
Selection in physical computing **PG, CS**
Vector drawing **ET, CM**
Internet communication **NW, ET**

Year 5

Repetition in games **PG, DD**
Video production **CM, DD**
Flat-file databases **DI, ET**
Selection in quizzes **AL, PG**
Webpage creation **CM, DD**

Year 6

Photo editing **ET, CM**
Data logging **CS, DI**
Repetition in shapes **AL, PG**

The internet **NW, SS**
Events and actions in programs **PG, DD**
Branching databases **DI, ET**
Stop-frame animation **ET, CM**

Year 4

Audio production **ET, CM**
Desktop publishing **ET, CM**
Sequencing sounds **PG, DD**
Connecting computers **NW, CS**

Year 3

Programming quizzes **PG, DD**
Making music **CM, DD**

KS1 ▼

Technology around us **CS, AL**
Moving a robot **AL, PG**
Digital writing **ET, CM**
Information technology around us **NW, CS**
Robot algorithms **AL, PG**

Year 1

Digital painting **ET, CM**
Grouping data **DI, AL**
Programming animations **PG, DD**

Year 2

Digital photography **ET, CM**
Pictograms **DI, ET**

National Centre for Computing Education

Raspberry Pi Foundation