Computer Science

Curriculum Journey

Year 13

- 4.9 Networking — DI, NW
- 4.11 Big data — DI, ET, IT, PG, SS
- NEA — AL, CS, CM, DI, DD, ET, IT, NW, PG, SS
- University
- Apprenticeship
- 4.8 Consequences of computing — IT, SS
- 4.10 Databases — DI, IT, PG
- 4.12 Functional programming — AL, PG

Year 12

- 4.6 Computer systems — CS, DI, PG
- 4.4 Theory of computation — AL, DD, PG
- 4.2 Data structures — AL, PG
- 4.7 Architecture — CS, PG
- 4.5 Data representation — CS, DI
- 4.3 Algorithms — AL, PG
- 4.1 Programming — AL, DD, PG

IT Pathway

Year 11

- 3.5 Networks — DI, NW
- 3.6 Cyber security — IT, SS
- 3.7 Databases — DI, PG
- 3.8 Ethical issues — IT, SS
- LO5 Importing data — DI, SS
- LO6 Manipulating data — CM, DI, DD, ET
- LO7 Presenting information — CM, DI
- LO8 Review and evaluate — DD, ET

Computing Option

Year 10

- LO4 Processing data — DI, DD, IT
- LO3 Collecting data — DI, SS
- LO2 Initiate and plan — DI, DD, ET, IT
- LO1 Tools and techniques — DI, DD, ET, IT
- 3.4 Computer systems — CS, DI, PG
- 3.3 Data representation — CS, DI
- 3.2 Programming — AL, DD, PG
- 3.1 Algorithms — AL, DD, PG

Year 9

- 9.1 Python — AL, DD, PG
- 9.3 Databases — DI, ET
- 9.5 Cyber Security — IT, SS, NW
- 9.2 Spreadsheets — DI, ET
- 9.4 Animation — CM, DI, ET
- 9.6 Project — AL, CS, CM, DI, DD, ET, IT, NW, PG, SS

Year 8

- 8.6 Vector graphics — CM, ET, IT
- 8.4 Web design — CM, DD, PG
- 8.2 Scratch — AL, DD, PG
- 8.5 App development — CM, DD, PG
- 8.3 Data representation — CS, DI
- 8.1 Computer systems — CS, PG

Year 7

KS2

- 7.1 Working online — ET, IT, SS
- 7.3 Networks — CS, NW, SS
- 7.5 Robotics — AL, PG
- 7.2 MicroBits — AL, DD, PG
- 7.4 Algorithms — AL
- 7.6 Using media — CM, DD, ET

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

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