

# The Computer Science Learning Journey

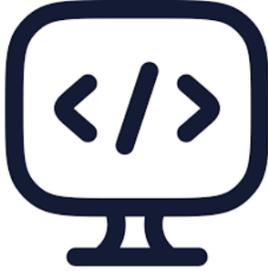
**FE**

A Level  
Computer Science  
Degree in  
Computer Science

**Y11**

Topics in Year 11:

- 2.2 Programming Fundamentals
- 2.3 Producing robust programs
- 2.4 Boolean logic
- 2.5 Programming Languages and IDEs
- Programming Project
- Exam Preparation and Revision



**Y10**

Topics in Year 10:

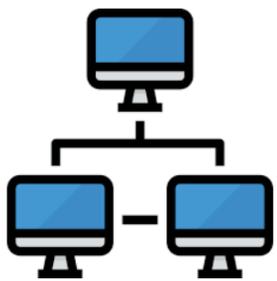
- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.6 Ethical, legal, cultural and environmental impacts of digital technology
- 2.1 Algorithms
- 2.2 Programming fundamentals
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 1.5 Systems software

No Computer Science in Year 9

**Y8**

Topics in Year 8:

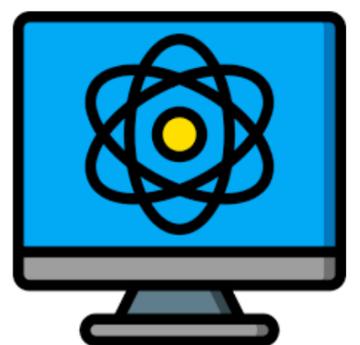
- Cybersecurity
- Binary
- Physical Computing with Microbits
- Developing for the Web
- Careers
- Introduction to Python



**Y7**

Topics in Year 7:

- Collaborating Safely and Respectfully
- Computational Thinking
- Networks: Semaphore to the Internet
- Programming in Scratch
- Using Media – Gaining Support for a Cause
- Spreadsheets



Key Concepts		
Using IT Safely and Respectfully	Computational Thinking	Programming
Data Representation	Systems Architecture	Computer Networks
Network Security	Boolean Logic	Computer Hardware and Software