

Computing Science

Alternative Education Syllabus.

Pre GCSE – fundamentals

- Binary, hexadecimal and other counting systems
- Programming (Python for its utilities and simplicity as well as its common place in the industry. Best suited to GCSE)
- HTML (basic)

Pre GCSE - additional - in decreasing order of relevance to pure computing

- HTML & CSS (Basic website building. Not extremely important)
- Arduino computing

GCSE

- More python
- Networking/encryption
- Input/output
- HTML (unless the basics have been studied previously)

GCSE Cont.

- JavaScript (as part of website building)
- Advanced Arduino

A level

- Be competent in Java and Python
- Try practical networking to have a good understanding of how it *actually* works

A Level additional

- If you'd like to study engineering at university, develop your understanding of MATLAB.
- This will give you a head start