



COMPUTER SCIENCE

A bitesize overview of the curriculum.

YEAR 1

- This is a highly mathematical course and suits pupils who think mathematically and algorithmically.
- You will require a grounding in coding in Python.
- It is preferable but not compulsory to have completed GCSE Computer Science.
- It is a requirement that you have at least a Grade 7 in GCSE Mathematics.
- You will be expected to write code for fun in your spare time.

YEAR 2

- There is an NEA which requires a lot of self-motivation and hard work.
- You will be doing some more abstract forms of computer science which are, again, highly mathematical.
- You will need to study some preliminary material provided in advance of the exam. This is a larger programme that you will need to understand, answer questions on and extend the code of.



WHAT SUBJECTS COULD I STUDY AT UNIVERSITY?

- Computer Science and/or Software Engineering
- Any STEM Subject (AI and Computing is now a foundation for all STEM subjects)
- Data Science or Cyber Security

WHAT CAREERS COULD THIS LEAD TO?

- Software Engineer
- Computer Scientist
- Data Scientist

ENRICHMENT OPPORTUNITIES

- Robotics and Coding Club
- Project Euler (complex mathematical questions solved with programming)
- Oxford University Computing Challenge and Computing Olympiad