

Subject: GCSE Computer Science

Department: Computing & Media

Exam Board: AQA



“Innovation distinguishes between a leader and a follower.”

Steve Jobs

Access Criteria:

You must have a keen passion for the subject combined with a **high** level of Mathematical skills and enjoy solving logical problems.

The course is assessed via

Controlled assignments (20%).
2 * Written exam paper (80%).

Subject Topics Covered:

Unit 1:
Practical Programming
Unit 2:
Computing Fundamentals

Careers that require this qualification:

Computing is of enormous importance to the economy, and the role of Computer Science as a discipline itself and as an ‘underpinning’ subject across science and engineering is growing rapidly. Computer technology continues to advance rapidly and the way that technology is consumed has also been changing at a fast pace over recent years. The growth in the use of mobile devices and web-related technologies has exploded, resulting in new challenges for employers and employees.

Courses that you can follow after school if you opt for this subject:

A Level Computing

Units of study

Computer system, computer networks, algorithms , programming, data representation and cyber security

The key contact for Computing is:

Mr D Smedley

What units of study from year 7 and 8 are similar to computer science?

Data representation—Binary, denary and hexadecimal.

Computer networks, python and HTML

This subject will require hard work and lots of dedication to gain a good grade.

Further Reading:

Computer Science Student Book

GCSE Python A Guide to Practical Programming: Patrick Dawkins

Python: next steps coding clubs Chris Roffey