Computer Science

Qualification	Examination Board	Specification Code
GCSE	OCR	J277

Course Overview

In a nutshell, GCSE Computer Science explores the principles of digital technology and a way of working that is called 'computational thinking'.

This exciting GCSE gives you the opportunity to investigate how computers work and how they are used. GCSE Computer Science will help you learn about critical thinking, analysis and problem solving. You will find it a fun and interesting way to develop these important skills that can also be transferred to other subjects and perhaps more importantly applied in day-to-day life.

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Topics Covered

The Computer Science GCSE consists of two main areas, both of which include sub-topics.
The two main areas of study are:

- Computer systems
- Computational thinking, algorithms and programming

Assessment

The Computer Science GCSE is assessed by a two papers in the final exam.

- 50% Computer Systems examination—90 minutes
- 50% Computational thinking, algorithms and programming examination—90 minutes

Course Progression

Successful completion of the Computer Science GCSE will enable you to study ICT or Computer Science at college. This in turn is a great foundation for going on to study Computer Science at university. This then opens up a lot of possibilities!

The qualifications you can study after GCSE are 'A' Level, Level 3 courses, Intermediate or Advanced Apprenticeships , IT Games Development, Digital Media, and many more!

Career Opportunities

You have grown up in a world where technology is evolving rapidly. Computers are embedded in all sorts of machines. They control airplanes, chemical plants, send rockets to space, control the central heating and make sure your family car runs efficiently.

As new things are developed, the world needs more and more people to research new ways of using computers to do the things they want. Employers in the world of technology are always looking to fill the following positions:-

Software Developer, Programmer, Games Developer, Robotic, Cyber Security, Teacher, Analyst, Computer Engineer, Network Engineer, Database Designer and Artificial Intelligence Programmer.

For Further Information

https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/