

OCR A Level Computer Science



Overview

OCR A Level Computer Science is a comprehensive course designed to equip students with a deep understanding of computer systems and programming. It covers topics such as algorithms, data representation, computer architecture, and software development.

This qualification is highly regarded by universities and employers, providing a solid foundation for future careers in the field of technology.

Entry Requirements

6 x GCSEs grades 9 to 4

A grade 7 in Maths

A grade 6 Computer Science or a grade 6-6 in Combined Science (6's in triple Science).

Course Content

Computer Systems (01)

- The characteristics of contemporary processors, input, output and storage devices
- Software and software development
- Exchanging data
- Data types, data structures and algorithms
- Legal, moral, cultural and ethical issues



Algorithms and Programming (02)

- Elements of computational thinking
- Problem solving and programming
- Algorithms to solve problems and standard algorithms



Programming Project

The learner will choose a computing problem to work through according to the guidance in the specification.

- Analysis of the problem
- Design of the solution
- Developing the solution
- Evaluation

