

KS5 Computer Science

OCR A-Level Computer Science ([H446](#))

This course is assessed by two exams and a project:

- Computer Systems (40%)
- Algorithms and Programming (40%)
- Programming Project (20%)

In unit 1, topics build on the GCSE content and include the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security and system software.

In unit 2, programming skills are further developed and pupils are introduced to multiple languages including assembly, JavaScript, SQL and Object Oriented Programming (OOP). Common algorithms and data structures are also studied, such as Dijkstra's algorithm and the Graph data structure.

The learning and skills developed in these lessons support further studying at university or entry into the IT sector.