

Computer Science

Exam Board: AQA

Specification: A Level Computer Science 7517

Entry Criteria:

Grade 7 in GCSE Mathematics. All students must also have achieved a GCSE Grade 5 in English Language or English Literature.

What will I study:

- Fundamentals of programming (using Python and VB.net)
- Fundamentals of data structures
- Systematic approach to problem solving
- Theory of computation
- Fundamentals of data representation
- Fundamentals of computer systems
- Fundamentals of computer organisation and architecture
- Consequences of uses of computing
- Fundamentals of communication and networking

Component Assessments

Paper 1:

This paper tests a student's ability to program, as well as their theoretical knowledge of Computer Science from subject content 1-4 above.

On-screen exam: 2 hour 30 minutes, 50% of assessment

Paper 2:

This paper tests a student's ability to answer questions from subject content 5-9 above.

Written exam: 2 hour 30 minutes, 50% of assessment

Final Qualification: A Level

Progression Pathways:

Students will be able to progress to courses in Computing, Computer Science, Systems Design, Game Design, Animation or an Apprenticeship with a Digital Company.

Course Leader: Mrs Varghese

Specification Link:

<http://www.aqa.org.uk/subjects/ict-and-computer-science/as-and-a-level/computer-science-7516-7517>