

Why you should study ...

A-Level Computer Science

at Christ the King College

- Consistently excellent results including several A/A*
 - Specialist A-Level teachers
- Broad and up to date content to prepare you for the future
- Great subject links, can complement other A-Levels including Maths and Further Maths
 - Broad range of well paid career paths in one of the fastest growing fields
- Excellent university and apprenticeship opportunities
 - Technology is everywhere, and computer science gives you the chance to learn the skills that will shape the future. From finance to healthcare, these skills are in high demand.



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Subject Requirements




To undertake this course, students will require a GCSE in Mathematics recommended at Grade 6 or above (however individual exceptions may be made). An enjoyment of problem solving and an ability to think logically through a problem are beneficial when undertaking this course.



Course Structure

Paper 1:

Fundamentals of programming
Fundamentals of data structures
Fundamentals of algorithms
Theory of computation



Paper 2:

Fundamentals of data representation
Fundamentals of computer systems
Fundamentals of computer organisation and architecture
Consequences of uses of computing
Fundamentals of communication and networking
Fundamentals of databases
Big Data
Fundamentals of functional programming
Systematic approach to problem solving

