



Computer Science

Course objectives	Computer Science gives students a clear progression into higher education, as the course was designed after consultation with members of BCS, CAS and top universities
Main qualifications	<ul style="list-style-type: none">• A Level
Awarding Body	<ul style="list-style-type: none">• AQA
Duration/ Lessons per week	<ul style="list-style-type: none">• 10 x 1 hour lessons over a two week timetable
Entry requirements	<ul style="list-style-type: none">• Computer Science at GCSE is not compulsory but would be advantageous. Alternatively, a sound interest and experience in programming and computing would be considered. Full engagement with the summer task would be essential.• Grade 5 in Maths.
Progression opportunities	<ul style="list-style-type: none">• Computer Science provides you with the knowledge and skills you need to move into Higher Education. It has been recently reviewed by the BCS,CAS and top universities during the development of the new specification that you will be following. It would also give you a suitable insight to embarking on an apprenticeship.
Course Content	<ul style="list-style-type: none">• The course will focus on the fundamentals of programming, building your skills and emphasising the importance of computational thinking as a discipline.• It covers the theory of computation and looks at the architecture of computer systems including networking and cyber threats.• It helps students to develop the skills to solve problems, design systems and understand human and machine intelligence whilst applying them to real world systems.• A Level Computer Science involves more practical programming work compared to GCSE.



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Class Assessment

A range of methods will be used to assess your work throughout the course including;

- Practical and written assignments
- Time-constrained assessments
- Projects
- Final grade is based on
 - Practical external exam (40%)
 - Theory external exam (40%)
 - Externally moderated project (20%)

Costs

- Revision guide £18 (optional)

Staff contact

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