Course Description

OCR Computer Science

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The Computer Science specification will above all else be relevant to the modern and changing world of computing. The specification will:

Focus on programming and emphasise the importance of computational thinking as a discipline.

Put computational thinking at its core, helping students to develop the skills to solve problems, design systems and understand human and machine intelligence.

Allow students to apply the academic principles learned in the classroom to real world systems in an exciting and engaging manner.

Allow students to develop an understanding of and ability to apply the fundamental principles and concepts of computer science including; abstraction, decomposition, logic, algorithms and data representation.

Give students a clear progression into higher education, as the course was designed after consultation with members of BCS, CAS and top universities.

Learners will develop an ability to analyse, critically evaluate and make decisions.

The project approach is a vital component of 'post-school' life and is of particular relevance to Further Education, Higher Education and the workplace. Each learner is able to tailor their project to fit their individual needs, choices and aspirations

Entry Criteria

If Computer Science has been studied at GCSE, a minimum of a Grade 6 is required. It is not necessary for Computer Science to have been studied at GCSE for it to be taken at A Level. However, students need at least 5 GCSEs at Grade 4 or above including Maths and English at Grade 6 or above.

Exam Board: OCR
Specification link: https://www.ocr.org.uk/images/170844-specification-accredited-a-level-gce-computer-science-h446.pdf