<table>
<tr><td colspan="2">Computer Science A Level (OCR)</td></tr>
<tr><td colspan="2">Programme of Study:</td></tr>
<tr><td>Year 1<ul><li>Data types and structure</li><li>Programming techniques</li><li>Computational Thinking</li><li>Algorithms</li><li>Boolean Algebra</li><li>Input, output and storage</li><li>Hardware</li><li>Operation System/Applications</li><li>Networks</li><li>Web Technologies</li><li>Legislation</li><li>Ethical, moral and cultural issues</li></ul></td><td>Year 2<ul><li>Programming Project</li><li>Thinking Logically</li><li>Thinking Procedurally</li><li>Thinking Concurrently</li><li>Databases</li><li>Software Development</li><li>Compression, encryption and hashing</li></ul></td></tr>
<tr><td colspan="2">Assessment<br><br>Paper 1: Computer Systems  2hrs 30mins 40%<br>Paper 2: Algorithms and Programming 2hrs 30mins 40%<br>Coursework: Programming Project 20%</td></tr>
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**Entry Requirements**
A minimum of a Grade 6 in Maths and English Language. Where students have studied Computer Science at GCSE, we require them to have achieved at least a Grade 7.

**Recommended Reading and Subject Enrichment**
OCR A Level Computer Science by George Rouse, Jason Pitt , Sean O'Byrne My Revision Notes OCR A level Computer Science by George Rouse, Sean O'Byrne, Jason Pitt
https://craigndave.org/

**Higher Education and Career Pathways**
Computer Science A level is a firm foundation for higher education or employment pathways in a range of technology design or management, programming, project management etc. You could also work for an organisation, go on to study a technical apprenticeship or code the next big thing in technology.

**Complimentary Subjects**
Students who take Computer Science tend to have strengths in Maths and Physics. If you like to think about tasks and issues in a systematic way then you would enjoy studying this subject.