

# ICT and Computer Science

## Year 11 Computer Science

**Course information** : J276 - OCR GCSE Computer Science

### **Year 11 Computer Science Overview**

Students will consolidate their learning over their time at Causeway School and spend time going over different algorithms, in preparation for their exams in Year 11. This is to ensure that knowledge is retained and students are able to explain and recap their knowledge in sufficient depth for their exam at the end of Year 11.

<b>Unit Title</b>	<b>Unit Overview</b>
Programming Project	In this unit, students will complete the exam board set Programming Project. During this time, students will plan, develop, create and test a solution to a programming problem. Due to exam board changes, this will be the last year that the Programming Project will be completed in Year 11.
System Software	During "System Software", students will look in depth at different key pieces of software and look at what they do and how they do it.
Ethical, legal, cultural and environmental concerns	Students will look at different ethical, legal, cultural and environmental concerns, including how stakeholders are impacted and different types of software and legislation relevant to Computer Science.
Producing Robust Programs	Students will revisit key information to identify how programs can be created robustly, which will include looking at different algorithms.
Computer Systems Overview	Students will spend time revisiting key concepts from the Computer Systems units in order to prepare for their exams at the end of Year 11.
Computational Thinking Overview	Students will spend time revisiting key concepts from the Computational Thinking Overview units in order to prepare for their exams at the end of Year 11.