



A Level Computer Science

Exam Board: www.ocr.org.uk

Question:

“Do I have to have studied Computer Science at GCSE?”

Answer:

“The answer is no, however, there is a lot of theory you will need to learn Pre-reading of GCSE content before the lesson would be a requirement.”

A Level Computer Science requires you to complete 3 units over 2 years

A Level	01 Computing Principles	02 Algorithms & Problem Solving	03 Programming Project
What's it about?	<p>It will cover the characteristics of contemporary systems architecture and other areas including the following:</p> <ul style="list-style-type: none"> • Operating systems • Introduction to programming • Data types, structures & algorithms • Exchanging data & web technologies • Using Boolean algebra • Legal and ethical issues. • Software and its development • Types of programming languages 	<p>Areas covered include the following:</p> <ul style="list-style-type: none"> • Elements of computational thinking • Programming techniques • Software development methodologies • Algorithms • Standard algorithms. • Pattern recognition, abstraction and decomposition • Algorithm design and efficiency 	<p>Students select & solve their own user-driven problem.</p> <p>Students will need to analyse the problem, design and implement the solution & thoroughly evaluate.</p>
How's it assessed?	2hr 30 min exam	2hr 30 min exam	Coursework
What's it worth?	40%	40%	20%

Progression onto the course will require at least 5 GCSEs, or equivalent, at grade 4 or above. In addition, you need a 5 in GCSE **Computer Science** (if studied), a 5 in GCSE **Mathematics** and a 4 in GCSE **English Language**. Talk to **Mrs Palfrey** if you are interested in A level Computer Science.

