



Exam board: OCR	Course Code: J277
Outline of course: The course consists of 2 sections: Component 1 – Computer Systems introduces students to the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security and system software. It also looks at ethical, legal, cultural and environmental concerns associated with computer science. Component 2 – Computational thinking, algorithms and programming allows students to apply knowledge and understanding gained in component 01. They develop skills and understanding in computational thinking: algorithms, programming techniques, producing robust programs, computational logic and translators. Practical programming – Students are to be given the opportunity to undertake a programming task(s) during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written examinations, in particular Component 2.	
Assessment: Component 1: Computer Systems - Written Exam – 1 hour 30 minute - 50% of total GCSE. The exam paper is out of 80 marks and consists of multiple choice, short answer and longer answer questions Component 2: Computational thinking, algorithms and programming – Written Exam – 1 hour 30 minutes – 50% of total GCSE. The exam paper is out of 80 marks and consists of a mixture of multiple choice, short answer and longer answer questions and extended response questions.	
Choose this subject if... You would like to become a website developer, a games developer, set up your very own IT based business or even become a forensics computer analyst. Computer scientists are needed in every industry, so by taking Computer Science you could potentially work anywhere – the opportunities are endless.	
Who to contact for more information: Mr A Hussain	