

Subject	Computer Science	
Qualification	GCSE	
Exam Board	OCR	
Course summary	<p>This exciting GCSE gives you an excellent opportunity to investigate the key components of a computer, the factors that affect the performance of a computer and the technology behind networking computers including the internet. You will learn about Computer related law, the threats posed by computers, understand binary and how data is represented in a computer system. In a world dominated by the use of technology, this GCSE will give you an insight into how this world works.</p> <p>You will also continue your journey developing your programming and problem-solving skills using Python. Programming skills are in high demand and many STEM (science, technology, engineering and mathematics) careers increasingly needing people who can write code.</p>	
What will students learn?	Year 9 content	<ul style="list-style-type: none"> • Programming (Variables, Assignment, Selection, Data Types) • Systems architecture • Memory and storage • Computer networks, connections and protocols • Algorithms
	Year 10 content	<ul style="list-style-type: none"> • Programming (Boolean Operators, Loops, String Manipulation, lists) • Network Security • Systems Software • Ethical, legal, cultural and environmental impacts of digital technology
	Year 11 content	<ul style="list-style-type: none"> • Programming (File handling, Procedures, Functions) • Producing robust programs • Boolean logic • Programming languages and integrated development environments
How will students be assessed?	<p>Exam Paper 1 - Computer systems</p> <p>Exam Paper 2 - Computation thinking, algorithms and programming</p> <ul style="list-style-type: none"> • Section A - Theoretical Content • Section B - Programming Skills Content <p>Both papers have identical weighting and mark allocations.</p>	