KS4 Curriculum overview – Computer science 2023-24

BROADOAK ACADEMY

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Boolean Logic Data representation • Binary • Hexadecimals • Images Algorithms	Algorithms Data Types Programming Fundamentals	Additional Programming Techniques Practical Programming Skills	Data Representation • Text • Sound • Images Compression CPU CPU Performance	Embedded Systems Primary Storage Secondary Storage Networks and network topologies	Network and network topologies Protocols Layers Practical Programming Revision and **PPE 1**
Year 11	Cyber Security Operating Systems and utility software Ethical, Legal, Cultural, and Environmental Issues	Ethical, Legal, Cultural, and Environmental Issues Defensive Design Testing Languages IDE's **PPE 1**	Practical Programming Revision Searching and Sorting Algorithms Searching and Sorting Practical Programming Skills	Theory Revision Practical Programming Revision **PPE 2**	Theory Revision Practical Programming Revision **GCSE Exam**	**GCSE Exam**