

Curriculum Overview Computing (Key stage 3) Computer Science (Key stage 4)

	Autumn	Spring	Summer
Year 7	<p>Autumn term 1- Collaborating Online Respectfully</p> <p>Autumn term 2- Modelling Data – Spreadsheets</p>	<p>Spring term 1- Programming essentials in Scratch</p> <p>Spring term 2- Networks – from semaphores to the Internet</p>	<p>Summer term 1- Programming essentials in Scratch – part II</p> <p>Summer term 2- Physical Computing- Microbits (block coding)</p>
Year 8	<p>Autumn term 1 & 2 Computing Systems</p>	<p>Spring term 1 & 2 Representations – from clay to silicon</p>	<p>Summer term 1 & 2- Back to the future- Historical people in the world of computing</p>
Year 9	<p>Autumn term 1- Representations – going audiovisual</p> <p>Autumn term 2- Introduction to Python programming</p>	<p>Spring term 1- Cyber Security</p> <p>Spring term 2- Python programming with sequences of data</p>	<p>Summer term 1- Physical Computing- Microbits (python coding)</p> <p>Summer term 2- Physical Computing- Microbits (python coding)</p>
Year 10	<p>Autumn term 1- 1.1 Systems architecture</p> <p>Autumn term 2- 1.2 Memory and storage</p>	<p>Spring term 1 & 2 (taught alongside one another) 2.1 Algorithms</p> <p>Spring term 1 & 2 1.3 Computer networks, connections, and protocols</p>	<p>Summer term 1- 2.2 Programming fundamentals</p> <p>Summer term 2- 2.2 Programming fundamentals</p>
Year 11	<p>Autumn term 1- 2.2- Programming fundamentals</p> <p>Autumn term 2- 2.2- Programming fundamentals</p>	<p>Spring term 1- 2.3-producing-robust-programs</p> <p>Spring term 2- 1.6-ethical-legal-cultural issues</p>	<p>Summer term 1- General Revision</p> <p>Summer term 2- N/A</p>