

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9	<p><u>Topic:</u> Binary</p> <p><u>Knowledge and skills</u></p> <p>Transition from KS3 The use of 0's and 1's Translating to and from Binary Computer hardware – Functions of the CPU</p>	<p><u>Topic:</u> Computational Thinking</p> <p><u>Knowledge and skills</u></p> <p>Problem Solving Flowcharts Pseudocode Microbit programming Computer Hardware - Memory</p>	<p><u>Topic:</u> Algorithms</p> <p><u>Knowledge and skills</u></p> <p>Search Algorithms Sort Algorithms Computer Hardware - Storage</p>	<p><u>Topic:</u> Computational Logic</p> <p><u>Knowledge and skills</u></p> <p>Binary Logic NOT, AND, OR Truth Tables Logic Circuits Networks 1 – LAN/WAN</p>	<p><u>Topic:</u> Programming</p> <p><u>Knowledge and skills</u></p> <p>Python Inputs/Outputs Data Types Maths Loops Networks 2 - Protocols</p>	<p><u>Topic:</u></p> <p><u>Knowledge and skills</u></p> <p>Data Structures Strings Files Procedures Network Security</p>