

CURRICULUM PROGRESSION PATHWAY

	Year 7	Year 8	Year 9	Year 10	Year 11
<b>Autumn 1</b>				Boolean logic. Data storage – numbers. Designing, creating and refining algorithms	Threats to computer systems and networks. Identifying and preventing vulnerabilities. Operating systems. Utility software. Ethical, legal, cultural and environmental impact.
<b>Autumn 2</b>				Programming fundamentals. Data types.	Defensive design. Testing. Languages. The integrated development environment.
<b>Spring 1</b>				Additional programming techniques. Practical programming skills.	Practical programming skills. Searching & sorting algorithms. Searching & sorting practical programming skills.
<b>Spring 2</b>				Data storage – characters, images & sound. Compression. Architecture of the CPU.	Theory revision. Practical programming skills revision.

<b>Summer 1</b>				Embedded systems. Primary & secondary storage. Networks & topologies.	Theory revision.
<b>Summer 2</b>				Wired and wireless networks, protocols and layers.	