Curriculum Overview *Computing*

	Autumn	Spring	Summer
Year 7	**Autumn term 1-** Collaborating Online Respectfully **Autumn term 2-** Modelling Data – Spreadsheets	**Spring term 1-** Networks – from semaphores to the Internet **Spring term 2-** Programming essentials in Scratch	**Summer term 1-** Programming essentials in Scratch – part II **Summer term 2-** Physical Computing- Microbits (block coding)
Year 8	**Autumn term1 & 2** Computing Systems	**Spring term 1 & 2** Representations – from clay to silicon	**Summer term 1 & 2-** Back to the future- Historical people in the world of computing
Year 9	**Autumn term 1-** Cyber Security **Autumn term 2-** Representations – going audiovisual	**Spring term 1-** Introduction to Python programming **Spring term 2-** Python programming with sequences of data	**Summer term 1-** Physical Computing- Microbits (python coding) **Summer term 2-** Physical Computing- Microbits (python coding)
Year 10	**Autumn term 1-** 1.1 Systems architecture **Autumn term 2-** 1.2 Memory and storage	**Spring term 1-** 2.1 Algorithms **Spring term 2-** 1.3 Computer networks, connections, and protocols	**Summer term 1-** 2.2 Programming fundamentals **Summer term 2-** 2.2 Programming fundamentals
Year 11	**Autumn term1-** 2.2- Programming fundamentals **Autumn term 2-** 2.2- Programming fundamentals	**Spring term 1-** 2.3-producing-robust-programs **Spring term 2-** 1.6-ethical-legal-cultural issues	**Summer term 1-** **General Revision** **Summer term 2-** **N/A**