

	Term 1	Term 2	Term 3
COMPUTIN G YEAR 7	Safe Use of Technology – Classroom Rules, Staying Safe Online and Using Technology Appropriately	Computer Systems – How computers are used and their components Sequencing (Scratch) – Creating a	Graphics Editing – Using graphics editing software to create a movie poster Extended Project – Combining skills from
	Computational Thinking – Decomposition, Abstraction and Pattern Recognition	computer game using sequences of instructions	previous projects to create a product for a given scenario
COMPUTIN G	E-Safety – Spotting risks and understanding methods of staying safe	Computer Systems – Understanding how different computer hardware and software works, introduction to binary	Sound Editing – Using sound editing software to create a radio advert
YEAR 8	Networks – How computers communicate effectively	Introduction to Python – Building computer programs using Python coding	STEM Project – Combining skills from Science, Technology, Engineering and Maths to complete a project about space
COMPUTIN G YEAR 9	Cyber Security and Crime – A closer look at risks, laws and methods of reducing risks when working with computers	Databases – How to manage data using databases and their tools	Video Editing – Using video editing software to create a TV advert for Morecambe
	HTML & JavaScript – Using HTML coding to create web pages and adding interactive elements with JavaScript	Coding	Impact of Modern Technology – Discussing the positive and negative impact of modern technology
COMPUTIN G	Unit 1 – 1.1 System architecture (CPU architecture, components and performance, embedded systems)	Unit 1 - 1.2 Memory and storage (primary and secondary storage, units, data storage and compression)	Unit 2 – 2.2 Programming fundamentals (fundamentals and additional techniques)
TEAN IU	Unit 2 – 2.2 Programming fundamentals (fundamentals and data types)	Unit 1 – 1.3 Computer networks , connections and protocols (networks and topologies, wired and wireless, protocols and layers) & 1.4 Network security (threats and preventions)	Unit 1 – 1.5 System software (operating systems and utility software)



COMPUTIN G YEAR 11	Unit 1 – 1.6 Ethical, legal, cultural and environmental impact (impact of technology on society, laws and legislation) Unit 2 – 2.1 Algorithms (computational thinking, algorithms and searching/sorting) & 2.4 Boolean logic (logic diagrams and truth tables)	Unit 2 - 2.3 Producing robust programs (defensive design & testing) & 2.5 Languages and IDEs (difference in programming languages and integrated development environments Unit 2 – 2.2 Programming fundamentals (programming practice)	Exam revision – units 1 & 2
COMPUTIN G YEAR 12	Unit 1 - Computer Systems (LO1 Computer components) and Unit 2 – Algorithms and Programming (LO1 Computational thinking) Unit 1 - Computer Systems (LO2 Software) and Unit 2 – Algorithms and Programming (LO2 Problem solving and programming)	Unit 1 - Computer Systems (LO2 Software & LO3 Exchanging data) and Unit 2 – Algorithms and Programming (LO3 Algorithms) Unit 1 - Computer Systems (LO3 Exchanging data) and Unit 2 – Algorithms and Programming (LO2 Problem solving and programming)	 Unit 1 - Computer Systems (LO4 Data types and structures) and Unit 2 – Algorithms and Programming (LO2 Problem solving and programming) Unit 1 - Computer Systems (LO4 Data types and structures) and Unit 3 – Programming Project (LO1 Analysis of a problem
COMPUTIN G YEAR 13	 Unit 1 - Computer Systems (LO5 Legal, moral, cultural and ethical issues) and Unit 3 – Programming Project (LO2 Design a solution) Unit 1 - Computer Systems (LO1 and LO2 review and recap) and Unit 3 – Programming Project (LO3 Develop a solution) 	Unit 1 - Computer Systems (LO3 and LO4 review and recap) and Unit 3 – Programming Project (LO3 Develop a solution) Unit 1 - Computer Systems (LO5 review and recap) and Unit 3 – Programming Project (LO4 Testing and evaluation)	Unit 1 & 2 – Exam revision and preparation. Unit 3 – Programming Project (review and improvements)