ICT & Computing Curriculum Map

Year	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Group						
7	File Management School Network, Moodle, Email &Office 365 OneNote, Baseline Testing, E-Safety	Computer Systems Basics	Introduction to progra using BBC Microbit	mming fundamentals	Date Modelling using Modellin	ng Spreadsheet
8	Web Programming (HTML and CSS), E-safety - Plagiarism, copyright, Cyberbullying and Social Networking sites		Computer Systems Fundamentals I	Game Design principle Oriented Programmin	s – Event driven / Object Introduction to text- g at a basic level based programming	
9	Computer Systems Fundamentals - Hardware and Software	Computer Systems Fundamentals – Data Representation	Computational thinkin principles	Animal Farm "The Book" IT projet Information source reliability, graded editing digital video, mixing and control of the source reliability.		graphic manipulation,
10	- System Architecture - Memory - Programming: Variables, constants, operators, input, output and assignments	 Storage Wired and Wireless Network Software Programming: Control flow constructs 	- Network topologies, protocols and layers - System security Programming: Computational thinking, Writing and tracing algorithms	- Ethical legal and environmental concerns - Programming: standard searching and sorting algorithms	- Data representation I - Programming techniques: Errors and testing	- Facilities of languages and translators -Programming: File handling, sql and data sets
11	- Computational Logic - Programming: Preparation for the NEA assessment	- Data representation II - Programming: NEA	- Component 1 & 2 Revision - Programming: NEA	- Component 1 & 2 Revision - Programming: NEA		
12	- Components of contemporary processors, input, output and storage devices - Programming: Revisit GCSE concepts	Software and softwareDevelopmentProgramming: OOPPrinciples	How data is exchanged between different systemsProgramming: Game Design Object oriented way	Data types, datastructures andAlgorithmsProgramming: Datastructures andrecursion	 Legal Moral cultural and Ethical issues Programming: Building skills needed for the coursework 	- Algorithms - Programming: Unit 3 Programming Project
13	 Elements of Computational thinking Programming: Unit 3 programming project 	Data representation Programming project	- Component 1 & 2 Revision - Programming project	- Component 1 & 2 Revision - Programming project		