

KS3 ICT & Computing 2022-2023

	Year 7	Year 8	Year 9
TERM	Extension from KS2	Continued Skills...	Preparation for KS4
TERM 1	General IT Procedures	ESAFETY Social Media, Sharing Information Online Digital Footprint, Privacy Settings Identity Theft, Phishing	E-SAFETY Cyber Threats, Social Engineering DOS Attcak, Hacking - Hats BWG Malware, Mitigation
	ESAFETY Cyberbullying & Advice, Trolling Social Media/Gaming - staying safe online Creating Strong Passwords		
Half Term			
TERM 2	Bebras Challenges UK Computational Thinking, problem solving	Bebras Challenges UK Computational Thinking, problem solving	Bebras Challenges UK Computational Thinking, problem solving
	COMPUTATIONAL THINKING Decomposition, Abstraction, Algorithms	PROGRAMMING PYHON String Manipualtion Arithmetic Operators Casting, IF Statements	PROGRAMMING PYHON Boolean Operators, ELSE/ELIF FOR Loop, WHILE Loop Array/List Read/Write/Amend to file
	DATA REP 1 What is Binary? Binary and Denary		
	PRESENATION & PUBLICATIONS Text/Image, basic formatting Page design/layouts	PRESENATION & PUBLICATIONS House Styles,Slide Master Animations, Hyperlinks	
Christmas Break			
TERM 3	PROGRAMMING BLOCKBASE Alogorithmic Thinking, Decomposition Psuedocode, Instructions, variables	SPREADSHEETS MIN, MAX, AVERAGE functions Conditional Formatting CountIF Moderate formatting	SPREADSHEETS IF Statement, Data Validation VLOOKUP Absolute Cell Referencing Security
Half Term			
TERM 4	PROGRAMMING TEXTBASE 1 Small Basic, Input/Output, Variable Iteration	COMPUTATIONAL THINKING Pseudocode & Flowcharts	AUGMENTED REALITY * <i>Subject to change</i>
Easter Break			
TERM 5	SPREADSHEETS Basic +/.* SUM function Basic formatting Graphical Representation	DATA REP 2 Recap Binary & Denary Binary & Denary conversions Binary Addition	
			DATA REP Recap conversions binary/deneary addition Hexadecimal conversions
Half Term			
TERM 6	PROGRAMMING TEXTBASE 2 Python, Print, Input/Output Variables, Concatenate	SYSTEMS ARCHITECTURE 2 Operating System Application Software Systems Software	SORTS & SEARCHES SORT - Merge, Insertion, Bubble Searches - Linerar & Binary
	SYSTEMS ARCHITECTURE 2 Input/Outp/Storage devices		PRESENATION & PUBLICATIONS Mailmerge, Integrated Dodument Scrolling marquee
Summer Break			