Computing - Year 8 - Learning Journey 2024-2025

Week	Date	Key Constructs	Торіс	Work that will be assessed					
1 (Wed)	05.09.24	KC 1	Laws That Affect Our Use of Technology						
2	09.09.24	Impact of Digital Technology	Email etiquette, reporting inappropriate emails, laws in the UK that govern how we use email and the internet.	Web Page: Communicating Safely					
3	16.09.24			and Responsibly					
4	23.09.24	KC 3 Computer Systems	Parts of a Computer System CPU and RAM. Clock Speed and word-size.	Test:					
5	30.09.24		Graphics and network cards.	Computers and					
6	07.10.24	KC 4 Networks and	Common input, output, storage & communication devices. Comparing magnetic, optical and solid-state storage.	Control Systems					
7	14.10.24	Communications	Companing magnetic, optical and solid-state storage.						
8	21.10.24	-	Computers in Control Examples of embedded systems. Where they are used. Sensors, inputs, decisions and processing, forms of output.						
Contingency Lesson - Print evidence, self-assess and RAP.									
		VC 2	Half term Different Kinds of Software						
9	04.11.24	KC 3 Computer Systems	Broad types of software.	Test:					
10	11.11.24		Need for operating systems and common features.	Operating Systems					
11	18.11.24	KC 2 Working With Software	Different kinds of software applications & utilities.	and Software Applications.					
12	25.11.24	& Documents	Working with Files						
13	02.12.24	KC 5	Common file types for different kinds of data/application. Overview of compression and compressed files.	PowerPoint: Keeping important					
14	09.12.24	Data Representation	Management & safety of documents/data (backups).	data safe and usable.					
15	16.12.24		Data Drop for books Contingency Lesson - Print evidence, self-assess and RAP.						
			CHRISTMAS						
16	06.01.25	KC 1 Impact of Digital	Networks and Communication Types of networks: LANs, WANs and PANs.	Diagram:					
17	13.01.25	Technology	Network devices: Switches, Wi-Fi adapters and routers.	Small Local Area					
18	20.01.25	KC 4	Sending data: Data Packets, addresses and protocols. Protecting data and networks: encryption and firewalls.	Network.					
19	27.01.25	Networks and	Issues surrounding use of networks/internet and protection of	Questions:					
20	03.02.25	Communications	data.	Transmitting Data					
21	10.02.25			Between Devices.					
			Half term						
22	24.02.25	KC 6	Computational Thinking						
23	03.03.25	Problem Solving and Programming	Breaking problems down: decomposition and sub-tasks. Identifying important facts and rules using abstraction.	Written Plan: Decomposition of					
24	10.03.25			Rock-Paper-Scissors					
25	17.03.25		Flowcharts Flowchart symbols, tracing routes, drawing flowcharts.	game.					
26	24.03.25		Data Drop for books and Contingency Lesson - Print evidence, self-assess and RAP.						
27	31.03.25		Exam Prep						
			EASTER						
28 (BH)	21.04.25		Exam Prep						
29	28.04.25		Annual Exams - Core	Annual Exam.					
30 (BH)	06.05.25		Annual Exams - Foundation						
31	12.05.25		Annual Exams - Foundation						
32	19.05.25	1	Exam RAP / Addressing Misconceptions						
			Half term						
33	02.06.25		Developing Computer Programs						
34	09.06.25	KC 6	Using variables, iteration and selection to solve problems. Create simple Rock-Paper-Scissors program	Program: Final Rock-Paper-					
35	16.06.25	Problem Solving and	Validating input data and making decisions about it.	Scissors code with					
36	23.06.25	Programming	Counting things that happen. Programs that access 1D arrays using FOR and WHILE loops.	test results.					
37	30.06.25	1	1.108. dilla didecess 10 dillays using 1 On allu Willer 100ps.						
38	07.07.25		Data Drop for books Contingency Lesson - Print evidence, self-assess and RAP.						
39	14.07.25		Activities Week						

Computing - Year 8 - Assessment Progress Tracker 2024-25

Name:		Autumn	Spring	Summer	
Subject Target		Flightpath			
Annual Exam		BFL			
Grade:					

	Assessed Work	Key Constructs	Assessment Objectives	Flightpath Grade
Autumn Term	Web Page: Communicating Safely and Responsibly	KC 1 Impact Tech. KC 3 Systems	1,1, 1,2, 1.3 3.2 4.4	
Part 1	Test: Computers and Control Systems	KC 1 Impact Tech. KC 3 Systems	1,1, 1,2, 1.3 3.1, 3.2, 3.5	
Autumn Term	Test: Operating Systems and Software Applications.	KC 2 Software & Documents	2.2, 2.3	
Part 2	PowerPoint: Keeping important data safe and usable.	KC 1 Impact Tech. KC 2 Software & Documents KC 5 Data Rep.	1.1, 1.2, 1.3 2.2, 2.3 3.3, 3.4	
Spring Term	Diagram: Small Local Area Network.	KC 4 Networks & Comm.	4.1, 4.2, 4.3, 4.4	
Part 1	Questions: Transmitting Data Between Devices.	KC 4 Networks & Comm.	4.1, 4.3, 4.4, 4.5	
Spring Term Part 2	Written Plan: Decomposition of Rock- Paper-Scissors game tasks, rules, key variables.	KC 6 Problems, Programming	6.1, 6.2, 6.3, 6.4, 6.5	
Summer Term Part 2	Program: Rock-Paper-Scissors code with test results.	KC 6 Problems, Programming	6.1, 6.2, 6.3, 6.6	