

Computing - Year 8 - Learning Journey 2024-2025

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

Computing - Year 8 - Assessment Progress Tracker 2024-25

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

	Assessed Work	Key Constructs	Assessment Objectives	Flightpath Grade
Autumn Term Part 1	Web Page: Communicating Safely and Responsibly	KC 1 Impact Tech. KC 3 Systems	1,1, 1,2, 1.3 3.2 4.4	
	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 Part 2	Test: Operating Systems and Software Applications.	KC 2 Software & Documents	2.2, 2.3	
	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 Part 1	Diagram: Small Local Area Network.	KC 4 Networks & Comm.	4.1, 4.2, 4.3, 4.4	
	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	