Scratch		<u>Computing</u> Knowledge organiser		Learning Lens: Class: 4			
Previous Knowledge			The key skills we want pupils to use during this topic:				
Children will know how to write a basic program on Scratch.			Solving problems				
Project Hook or 'Wow' memory			Testing and debugging				
Complete an online quiz — Who wants to be a millionaire?   Learning Steps Key Knowledge (answers)			Improving and evaluating				
How do paper quizzes	Identify pros and cons of using computer based program Identify steps needed to create a quiz. (decompose a problem) Create a flowchart to form a quiz question (write a program)		Key vocabulary				
fer?			Logical	sequence	Writing (command) in a step by step way, building on the previous command		
How can I create quiz questions? How do I use the ifthen else.	Complete debugging activity sheet—identify and correct errors Write a program to form question. Use duplicate, sequence and selection to create more questions.		flowcha	ırt	a diagram that depicts a process, system or computer algorithm		
			comma	nd	A directive (instruction) to a computer program to perform a spe- cific task		
How can I change the sprite?	Change Sprites: colour, costume, size. Change Sprite add an effect for right / wrong answer		Algorith	ım	a list set of instructions, used to solve problems or perform tasks		
			program	n	a specific set of ordered operations for a computer to perform.		
			variable	25	A container that holds the information used by the computer		
How can I add additional effects to my program?	Add a sound for correct / incorrect answers		effects		A modification on the original action		
How to create a scoring system for a quiz.	Create a scoring system—show er	ıd scores	Statutory Requirements design, write and debug programs that accom- plish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts 🛛				
l can create a quiz on Scratch.	Children to design, write and debu goal—write a quiz. Using sequenc Work with variables by creating d	ig a program that accomplishes a specific ing, selecting, repetition in Scratch. ifferent effects.	use sequence, selection, and repetition in pro- grams; work with variables and various forms of input and output				