Design a maze project		Computing Knowledge organiser			Learn Class	ing Lens: Comput : 3	er Science	
Previous Knowledge				The key skills we want pupils to use during this topic:				
Using Scratch Junior, the children will have followed precise and unambiguous instru- tions ,created programs on iPads, debugged programs and used logical reason- ing to predict the outcome of simple programs.				I can design and create programs				
Project Hook or 'Wow' memory				I can write programs that accomplish specific goals				
To design a maze and programme a bug to travel though it showing the line that it takes.				I can use repetition in programs I can work with various forms of input				
Learning Steps	Key Knowledge (answers)							
Explain how a sprite moves in an existing project.	Learn how characters move using events, improve and existing project and control multiple sprites.			Key vocabulary				
				Events	Actions that occur in a sequence one after another.		uence one after another.	
Create a program to move a sprite in four directions.	Choose a character for a sprite, make it an appro- priate size and program the movement.			Debuggi	ng	A problem with a program script is fixed so it works correctly.		
				Motion		The movement of a sprite.		
Adapt a programme to a new context by drawing a line.	Use a programming extension, consider the real world when making design choices and choose blocks to set up the programme. Identify additional features, choose suitable keys			Logic		A way of solving a problem that uses careful thought and reasoning.		
				Algorith	n	A set of instructions to be followed. A set of instructions that work together to make the sprite move.		
				Code				
Develop a program by adding features.	to turn on the features and build more sequences of demands to make the design work. Test a program against a given design, match a			Extensio	n Block	An object or program the	at is used at the same time as Scratch.	
				Statutory Requirements				
Identify and fix bugs in a program.	l est a program against a piece of code to a given program using a design.	outcome and modify a		Create and solve a maze.				
Design and create a maze based challenge.	Make design choices an the design and evaluate	d justify them, implement the project.					OF TO RIMARY SCHOOL	