Owls – Year 4/5 Spring 1 (B)

Kay Vacabular

<u>Computing</u> <u>Programming - Scratch</u>

Frogramming - Scratch

Counting Chills

<u>What I should already know</u>: I can follow instructions as part of practical activities and games. I can give simple instructions. I can program a Bee-bot/ Blue-bot to follow a planned route. I can debug instructions when things go wrong. I can use programming language to explain how a floor robot works. I can debug an algorithm in an unplanned scenario. I can use logical thinking to explore software, predicting, testing and explaining what it does. I can use an algorithm to write a basic computer program. I can use loop blocks when programming to repeat an instruction more than once. I can incorporate loops to make code more efficient. I can continue existing code. I can make reasonable suggestions for how to debug their own and others' code.

Enquiry Questions

nguiry Questions		<u>Key Vocabulary</u>	<u>Computing Skills</u>	
•	What are the key	Broadcast block – Block used to set the timing of events in an animated scene, game or story.	Pupils will.	
	features of Scratch?	Code blocks – A visual representation for a section of code that performs a certain job. They	•	Create algorithms for a specific purpose.
•	How does a Scratch	can be snapped together to build a program.	•	Code a simple game.
	game work?	Conditional – Depending on or demanding a certain condition or conditions.	•	Incorporate variables to make code more efficient.
•	What is a variable	Coordinates – A pair of numbers that identifies a point on a graph or grid.	•	Iterate and develop their programming as they
	and how do we make	Decomposition – Breaking something down into smaller chunks.		work.
	one?	Features – The individual parts that make up something	•	Use a more systematic approach to debugging code,
•	How can we make a	Negative numbers – Numbers that describe values on a scale that goes below zero, e.g.		justifying what is wrong and how it can be
	variable in Scratch?	temperature scales.		corrected.
•	How can we use	Orientation – Positioning to a particular place or direction.	•	Write code to create a desired effect.
	variables to make a	Parameters – A set of specifications or limits, the value or variations of which determine the	•	Use a range of programming commands.
	quiz?	form or behaviour of something.	•	Amend code within a live scenario.
		Position – The location of where something or someone is.		
		Program – A sequence of instructions that allows a computer to perform a task or a set of		
		operations.		
		Project – A creation developed within the Scratch program.		
		Script – A program or sequence of instructions that is interpreted or carried out by another		
		program.		
		Sprite – Visual object that can be manipulated through code, for example to move, respond, appear or disappear.		
		Stage – The background of the Scratch project to suit your game, animation or project.		
		Tinker – To explore and play with something to discover the key functions.		
		Variables – This could be a number or text, that can change each time the program is run		
		and often in combination with selection, to change the end result of the program.		

