

Year Group	2	Term	Autumn 2	Subject	Computing	Topic	Programming: My Robot Helper		
						Key Question	Can I programme, my Robot Helper		
Prior Learning and other Curriculum Links	Year .	I undalgori I know I know on a co I know	erstand the s thms is impor w how to cred ligital device w how to use s w how to loca am.	rtant ug simple a ite a simplo e.g. Bee Bo sequence i	lgorithms e program ot or tablet n programs	Skills statements	<ul> <li>I know how to write algorithms for everyday tasks</li> <li>I know how to use logical reasoning to predict the outcome of algorithms</li> <li>I understand decomposition is breaking objects/processes down</li> <li>I know how to debug algorithms</li> <li>I understand programs follow precise instructions</li> <li>I know how to create programs using different digital devices E.g. Bee Bot or ScratchJr on a tablet</li> <li>I know how to debug programs of increasing complexity</li> <li>I know how to use logical reasoning to predict the outcome of simple programs</li> </ul>		
Fundamentals	I understand programs follow precise instructions I can create programs using different digital devices. I can debug programs of increasing complexity I can use logical reasoning to predict the outcome of simple programs				nt digital	Key Facts/Sticky Knowledge	An algorithm is simply a set of steps used to complete a specific task.  All programs follow precise instructions called and algorithm.  Programmes can be created using various digital devices.  Fixing issues/problems within a program is called debugging		

Our Curriculum Journey	Journey:  D - Design: Pupils start to discuss the desired outcome for their project and are given time to tinker with the software before planning what they will do to achieve their outcome.								
	A - Apply: Pupils are given the opportunity to create, make and produce content using the app or software explored in the Design lesson(s)								
	R - Refine: Pupils spend time considering ways to modify and improve their projects to get the best results possible.								
	E - Evaluate: Upon completing their desired outcome, pupils are given the opportunity to reflect and consider how effectively they have achieved their goal.								
	S - Share: Learners are given the opportunity to publish and exhibit their work to the world embedding skills from the Digital Literacy curriculum								
	plete any chores or jobs they might have to do around the me to the 'Apply' stage, they will test their algorithms and								
Key Vocabulary	create simple programs in Scratch to be the 'voice of Algorithm, sequence, order, bug, fix, precise, Digital, program, follow, code,	Key Vocabulary	Decomposition, debug, reason, detail, breakdown, task Precise, logical						
(revisited)	bugs, fix, order, ScratchJr	(new)	reasoning, prediction, debug, sequence						
Expected -									
Examples:									