BRUNSHAW PRIMARY SCHOOL



Inspiring children to be resilient and aspirational learners, within a positive and considerate community

	Subject: Computing	Year group: 2 Term: Spring 1	Title: Robot algorithms	
•	What should I already know? Words such as 'forwards,' 'backwards' and 'turn' can be enacted Commands have different outcomes The outcome of a command can usually be predicted A program is a set of commands that a computer can run A series of instructions can be issued before they are enacted	Facts I will learn A series of instructions is a sequence When the order of instructions changes, so might the outcome The outcome of a program can be predicted	 Can I give What hap instruction Can I pred Can I design Can I design 	Key questions and follow precise instructions? pens when we change the order of
•	Key Skills To choose a series of words that can be enacted as a sequence To choose a series of instructions that can be run as a program To create a program To trace a sequence to make a prediction To run a program on a device To debug a program that I have written	 Experiences that school will provide Using IT for a range of real-life situations Use of a range of hardware and software 	Instructions Sequence Algorithm Unambiguous	Definition Detailed information about how something should be done The order in which instructions occur and are processed A precise set of ordered steps that can be followed by a human and implemented on a computer to achieve a task Clear and precise
•		Experiences that could be provided at home Take turns with your child to guide each other around an obstacle course while blindfolded. Can you make	Program Order	A set of ordered commands that can be run by a computer to complete a task The arrangement of things in relation to each other

 Bee-Bot Online Emulator 	your directions unambiguous enough so that no	Prediction	What someone thinks will happen
A virtual Bee-Bot to command around different activity mats	mistakes are made?	Route	A way or course taken in getting from a starting point to a destination
		Debug	The process of finding and correcting
			errors in a program
		Decomposition	To break down a task into smaller,
			more achievable steps