

Computing	Programming B- Programming Quizzes	Year 2	Summer 2
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Key Knowledge

To explain that a sequence of commands has a start	<ul style="list-style-type: none"> - I can identify that a program needs to be started - I can identify the start of a sequence - I can show how to run my program
To explain that a sequence of commands has an outcome	<ul style="list-style-type: none"> - I can change the outcome of a sequence of commands - I can match two sequences with the same outcome - I can predict the outcome of a sequence of commands
To create a program using a given design	<ul style="list-style-type: none"> - I can build the sequences of blocks I need - I can decide which blocks to use to meet the design - I can work out the actions of a sprite in an algorithm
	<ul style="list-style-type: none"> - I can add blocks to each of my sprites - I can delete a sprite - I can show that a project can include more than one sprite
To design the parts of a project	<ul style="list-style-type: none"> - I can choose appropriate artwork for my project - I can create an algorithm for each sprite - I can decide how each sprite will move
To use my algorithm to create a program	<ul style="list-style-type: none"> - I can add programming blocks based on my algorithm - I can test the programs I have created - I can use sprites that match my design

Statutory requirements

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs

Key vocabulary

Spelling	Definition
BeeBot	A robot that can be programmed to move forwards, backwards and turn left & right.
Command	A command is an instruction to perform a specific task
Sprite	A character that you can create on Scratch Jnr
Background	The image in the background (could be used to show the setting)
Block	Blocks are used on Scratch Jnr as instructions for the algorithm. This is what makes the game work.

Possible experiences

- Use Scratch Jnr online to create your own projects
- Draw your own background for your project and take a photo. Use this as a background image by inserting it as a photo.

What are the differences between Bee-Bots and ScratchJr?

