

<b>Computing</b>	<b>Programming B- Programming Animations</b>	<b>Year 1</b>	<b>Summer 2</b>
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## Key Knowledge

To choose a command for a given purpose	<ul style="list-style-type: none"> <li>- I can compare different programming tools</li> <li>- I can find which commands to move a sprite</li> <li>- I can use commands to move a sprite</li> </ul>
To show that a series of commands can be joined together	<ul style="list-style-type: none"> <li>- I can run my program</li> <li>- I can use a Start block in a program</li> <li>- I can use more than one block by joining them together</li> </ul>
To identify the effect of changing a value	<ul style="list-style-type: none"> <li>- I can change the value</li> <li>- I can find blocks that have numbers</li> <li>- I can say what happens when I change a value</li> </ul>
To explain that each sprite has its own instructions	<ul style="list-style-type: none"> <li>- I can add blocks to each of my sprites</li> <li>- I can delete a sprite</li> <li>- I can show that a project can include more than one sprite</li> </ul>
To design the parts of a project	<ul style="list-style-type: none"> <li>- I can choose appropriate artwork for my project</li> <li>- I can create an algorithm for each sprite</li> <li>- I can decide how each sprite will move</li> </ul>
To use my algorithm to create a program	<ul style="list-style-type: none"> <li>- I can add programming blocks based on my algorithm</li> <li>- I can test the programs I have created</li> <li>- I can use sprites that match my design</li> </ul>

## 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 on your project by inserting it as a photo! 😊

What are the differences between Bee-Bots and ScratchJr?

