



The Acorn Partnership

Marston Montgomery Primary School
Long Lane C of E Primary School

Programming A- Robot algorithms

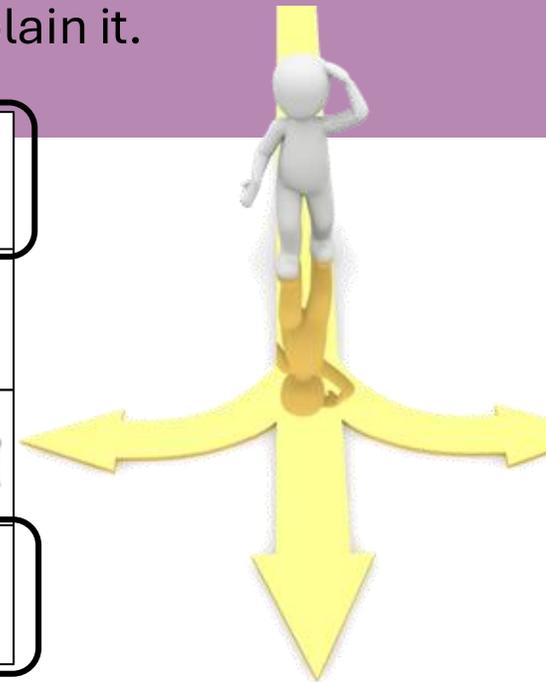
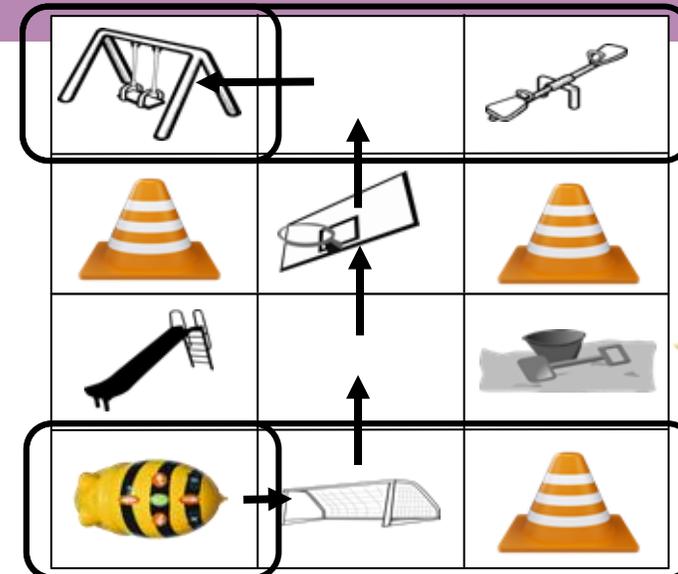
Summer 1 2026

Sticky learning

- I know how to carry out a command by following instructions of directions given.
- I know how to combine 'forwards' and 'backwards' commands to make a sequence.
- I know how to combine; 'forwards', 'backwards', 'left' and 'right' in a sequence and program this into a robot.
- I know how to plan a simple program by choosing a the order of commands in a sequence.

New Knowledge

- I know how to describe series of instructions as a sequence and follow these.
- I know how to explain what happened when changing the order of instructions and can do this to create different algorithm to program a floor robot.
- I know how to predict the outcome of a program,
- I know programming projects can use artwork when designing a mat.
- I know how to design an algorithm and can explain it.



Key Vocabulary

Sequence	Putting things in the right order, one after another.
Unambiguous	Clear and easy to understand, only one meaning.
Algorithm	A set of steps to solve a problem or get something done.
Order	The way things are arranged, one after the other.
Instructions	Steps that tell you what to do.
Prediction	A good guess about what might happen next.
Program	A set of instructions that a computer can follow.
Route	The way you go from one place to another.
Mat	Something flat you can sit, stand, or work on.