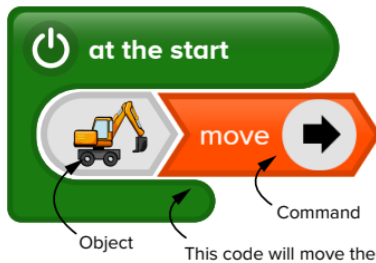# Y1 - Knowledge Organiser – Computer Science

Key Facts

- Technology uses science to solve problems.
- An algorithm is a set of instructions.
- A computer program is an algorithm.
- It is important to be precise in an algorithm.
- Algorithms are not just used on a computer.
- Event blocks tell the computer when things should happen.
- Object and command blocks are used together to instruct the computer what should happen.
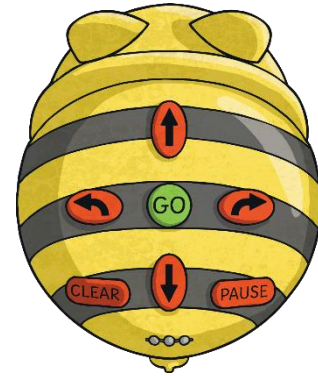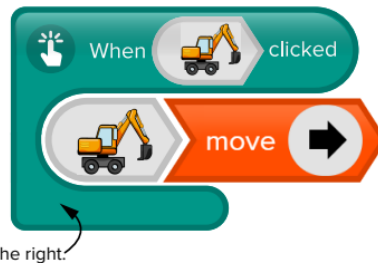
Key Vocabulary

- Technology
- Algorithm
- Instructions
- Debug
- Action
- Blocks
- Object
- Command
- Sequence

A **start event** will trigger an action as soon as you run the program.

at the start

move

Object

Command

A **click event** will trigger an action when the object is clicked on.

When clicked

move

This code will move the object to the right.

GO
CLEAR   PAUSE

Algorithm

Getting Changed

1 Undress.

2 Choose outfit.

3 Put on underwear.

4 Put on socks.

5 Put on jumper.

6 Finally, put on your trousers.

OUTCOME
You are now dressed!

1. Follow these programming commands and match to the shape it makes.

forward   forward   right turn   forward   forward   right turn   forward   forward   right turn   forward   forward   go
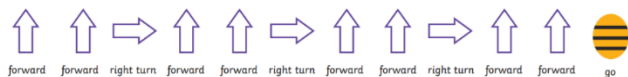
Can you make the same shape using different commands?