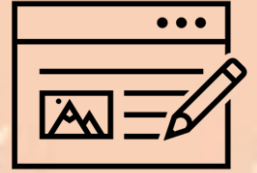# We Are Astronauts!

Computer Science

Year 2 — Autumn Term

What I should already know:

- I know how to give and follow instructions
- I can move a robot forwards, backwards and make a robot turn.
- I can put 3 instructions together to create an algorithm.
- I can program a robot to follow my algorithm.

Online Safety

- I have a safe adult I can talk to if I am worried.
- I ask a trusted adult before using my name online.
- I will not tell anyone my password.

Vocabulary

Algorithm	A set of instructions that a computer will follow.
Bug	A mistake in an algorithm
Code	instructions that can be understood by a computer
Debug	correct mistakes in an algorithm
Output	The robot will move on the screen
Program Programming	sequence of instructions that can be followed by a computer
Sprite	a character that will follow an algorithm

Essential Knowledge

- I will know how to drag blocks together to create a sequence of instructions on ScratchJr.
- I will know the blue blocks on ScratchJr make my sprite move.
- I will know the green blocks on ScratchJr make my sprite make a sound.
- I will know how to correct a mistake if my algorithm does not work.

Essential Skills

- I will plan a route from one hoop to another in the playground.
- I will put 4 instructions together to create an algorithm.
- I will correct an algorithm by debugging it to find the mistake.