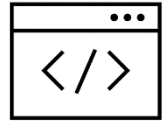


YEAR 1/2  
SUMMER

# COMPUTING

We Are Astronauts



Coding

## VOCABULARY

### WHAT SHOULD I ALREADY KNOW?

- What I should already know:
- how to select and set brushes and colours
- how to create artwork on iPads
- how to use the undo function if I make a mistake
- how to paint on top of photographs
- how to use multiple layers in my art

### STICK KNOWLEDGE

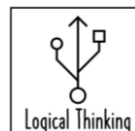
- In scratch junior I can put instruction together to make a character move, this is called an algorithm.
- Debugging is important to test your algorithm.
- In scratch you can design your own characters.
- Repetition is when you make your algorithm do something more than once.

Key person: Tim Peake  
He was the first British astronaut to reach the International Space Station.

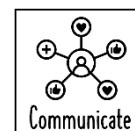


<b>Abstraction</b>	simplifying things through identifying what is important, and what detail can be hidden
<b>Algorithm</b>	a sequence of precise instructions or steps to achieve an objective
<b>Bug</b>	an error or mistake in a program or algorithm
<b>Code</b>	instructions (or sometimes rules) that can be understood by a computer
<b>Debug</b>	correct mistakes in a program or algorithm
<b>Input</b>	data supplied to a computer, in this case, tapping on the screen of a tablet
<b>Output</b>	information produced by a computer – in this case, moving sprites on a screen, text and audio
<b>Program</b>	sequence of instructions that can be followed by a computer
<b>Repetition</b>	programming construct which allows a group of instructions to be repeated a number of times, or until a certain condition is met
<b>Scratch</b>	simple, block-based programming language in which programs for characters are built by snapping together code blocks
<b>Sprite</b>	a graphical character in a program that can be given its own sequence of instructions

### Weaving Concepts



Logical Thinking



Communicate



Online Safety