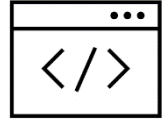


YEAR 3/4
SUMMER

COMPUTING

We Are Programmers



Coding

VOCABULARY

Abstraction	simplifying things through identifying what is important, and what detail can be hidden
Algorithm	a sequence of precise instructions or steps to achieve an objective
Bug	an error or mistake in a program or algorithm
Code	instructions (or sometimes rules) that can be understood by a computer
Debug	correct mistakes in a program or algorithm
Decomposition:	breaking a problem down into smaller parts
Event	something that happens within a computer program to cause some particular code to be run,
Program	a sequence of instructions (or sometimes a set of rules) that can be followed by a computer
Storyboard	A visual representation of the key scenes or frames in a video; one way of recording an algorithm visually.
Sprite	a graphical character in a program that can be given its own sequence of instructions
Variable	Lets computer programs store, retrieve or change simple data.

WHAT SHOULD I ALREADY KNOW?

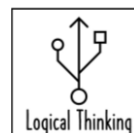
- What I should already know:
- how to select and set brushes and colours
- how to create artwork on iPads
- how to use the undo function if I make a mistake
- how to paint on top of photographs
- how to use multiple layers in my art

STICK KNOWLEDGE

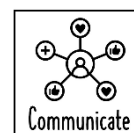
- Storyboards are used to plan and design animations, scratch is a program that I can use to create an algorithm to create the planned animation.
- Scratch has many functions including creation of your own sprites, which could be used as character for your animation. Dialogue can also be added as well as costumes and backgrounds.
- The use of sequence, selection and repetition help my program to run smoother and more efficient.
- De-bugging is an essential part of game and animation testing.

Key person: **Bill gates** is an American software developer. He is the co-founder of Microsoft Corporation. He is considered one of the best known entrepreneurs of the microcomputer revolution of the 1970s and 1980s.

Weaving Concepts



Logical Thinking



Communicate



Online Safety