St George's Central CE Primary School and Nursery

Computing Y3/4 – How do we Scratch?

What will we learn:

- To compare quizzes and decompose a problem into smaller parts.
- To write and debug a program
- To use sequence and selection (If, then, else)

- To code using variables

Prior Learning

In Y1/2 I learnt:
- What a code is and why we use them
- The functionality of the directional keys on the keyboard
- How to create a set of instructions for the computer to follow (algorithm)
- How to fix (debug) a set of instructions (algorithm)
  To use directional keys as part of an algorithm.
- How to input data as part of code into a computer program.

Future Learning in Year 5/6

To design and program a character game

To add features to enhance a game experience

To add sound effects to a game design

To add different levels to a game using coding

Vocabulary

Sprite	A two-dimensional image drawn on a transparent background that can be moved around the stage. You can change its appearance using different costumes.
Decompose	Breaking a computer program down into smaller parts
Block	A graphical command used in the creation of a script.
Command	An instruction given to the computer program
Algorithm	A set of instructions given in a computer program
Costume	Images that are used to represent a sprite on the stage.
Broadcast	An electronic message sent between sprites as a means of coordinating application activity.
Variable	A variable is a changeable value recorded in Scratch's memory
Debug	To fix a part of code that is not working

Resources that are going to help me achieve my learning.

Fun Facts:
- Scratch is an online coding platform that can be accessed from all over the world
- It was created by MIT to help develop coding skills
- It is completely free of charge and has already helped children and adults secure jobs in coding
- There are many project ideas and you can view what others have done using Scratch
- The characters you use on Scratch are called Sprites.
- It was developed in 2003 and then made available to the public in 2006

'Never settle for less than your best'

Jesus said, 'I am the light of the world. Whoever follows Me will not walk in darkness, but will have the light of life.' John 8:12