



Year 5 Computing Autumn Term Coding

Key Learning

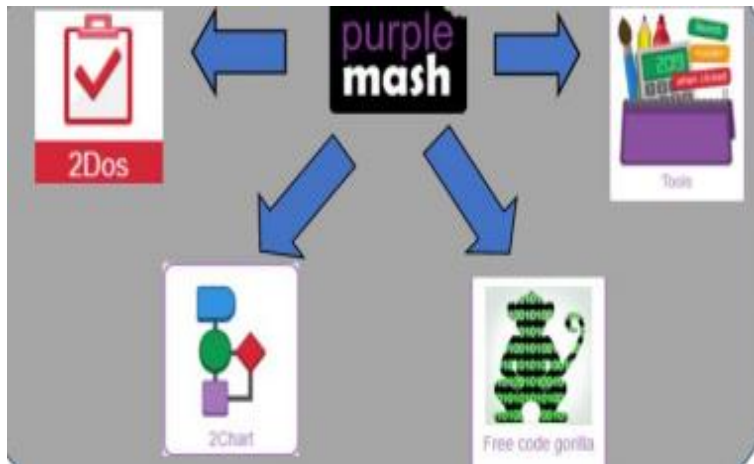
To represent a program design and algorithm.

To create a program that simulates a physical system using decomposition.

To explore string and text variable types so that the most appropriate can be used in programs.

To use the Launch command in 2Code Gorilla To program a playable game with timers and scorepad.

Key Resources



Key Vocabulary

Action	Types of commands, which are run on an object. They could be used to move an object or change a property
Alert	This is a type of output. It shows a pop-up of text on the screen.
Bug	A problem in a computer program that stops it working the way it was designed.
Code Design	Design what a program will look like and what it will do.
Command	A single instruction in a computer program.
Control	These commands determine whether parts of the program will run, how often and sometimes, when
Debug/Debugging	Looking for any problems in the code, fixing and testing them
Design Mode	Used to create the look of a 2Code computer program when it is run.
Event	Something that causes a block of code to be run
Get Input	This puts the text that a user types into the computer's temporary memory to be used to control the program flow

9 hours over Autumn Term

2 Type Activity

Online Safety

Plagiarism

Online Safety

Downloading Software

Coding: Lesson 1

To review coding vocabulary.
To use a sketch or storyboard to represent a program design and algorithm.
To use the design to create a program.

Coding: Lesson 2

To design and write a program that simulates a physical system.

Coding: Lesson 3

To review the use of number variables in 2Code.
To explore text variables.

Coding: Lesson 4

To create a playable, competitive game.
To combine the use of variables, If/Else statements and Repeats to achieve the desired effect in code.

Coding: Lesson 5

To read code so that it can be adapted, personalised and improved.

Coding: Lesson 6

To explore the launch command and use buttons within a program that launch other programs or open websites. To create a program to inform others.