



Background information

In these lessons, the children will be taught basic coding skills and will be introduced to 2Code using Purple Mash. The children will further understand the process of coding and design through the completion of various tasks and the use of specific coding vocabulary.

Knowledge and Understanding

- To understand what coding is.
- Introduction to the 2Code interface including the possible actions of character objects.
- To use timers in 2Code to create differing effects.
- To use appropriate coding vocabulary including Object, Action, Output, Control and Event.
- To use a timer to make characters repeat actions.
- To use selection within a program.
- To understand what debugging means.

Enquiry skills and Key concepts

- To explain that an algorithm is a set of instructions to complete a task.
- To show an awareness of the need to be precise in their designs so that algorithms can be successfully translated into code.
- To include objects, actions, events and outputs successfully within their 2Code programs.
- To understand how variables can be used to store information while a program is executing.

Key Vocabulary:

Algorithm

Block

Block language

Command

Data

Debug

Loop

Script