Autumn 2 Year 2 Computing overview

Key facts

- Coding is when a computer is given commands to which it responds, computer programmers use many different languages to write computer programs.
- Computer code is everywhere, it's in electronic games, this website, tills at the supermarket.
- The actual concepts involved in computer coding aim to be very straight forward and can be broken down into the following things:
  - Take some input and do something with it. (e.g. press a button and make a doorbell ring, or take a number and multiply it by itself)
  - Do a sequence of tasks to achieve a more complicated objective
  - Repeat a sequence of tasks many times on a schedule or until a condition is met

Resources

Laptops

Purplemash logins

Developing an understanding of instructions, logic and sequences - coding.

Brief summary/ overview

Children will learn how to use computer algorithms including user inputs and using timers to specify when commands happen. The will also learn how to find errors in their program and to debug these so their animations run smoothly.

Prior Knowledge

Children will have done coding in year 1.

Key Vocabulary

Internet, safely, online, reliable, personal information, password, citizen, technology, control, motion, travel, direction, turn, text strings, user input, variables, blogs

Cross curricular links/visits

English – instructions