Spring 2 Year 2 Computing overview

Key facts

- A Spreadsheet is a computer program that imitates a paper worksheet.
- It shows a large sheet (like a sheet of paper) that has many cells in a grid of rows and columns.
- Users can put words or numbers into the cells, to make headings and store information (usually numbers).
- Another strength of spreadsheets, is that they can produce diagrams, like graphs and pie-charts, based on the data the user enters. Sometimes the numbers make more sense when the computer turns them into a picture.
- 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

Develop free coding and data collection using databases.

Prior Knowledge

Children have developed their coding ability with 2Code and have begun to use spreadsheets to collect data.

Key Vocabulary

Internet, safely, online, reliable, personal information, password, citizen, technology, touch typing, spreadsheets, data, collection, operations, cells, rows, columns, images, search engines, control, motion, travel, direction, turn, text strings, user input, variables, blogs

Resources

Laptops

Purplemash logins

Brief summary/ overview

Children will develop their if/then skills for coding as well as building graphs and charts in a spreadsheet.

Cross curricular links/visits

Maths – data collection

English – instructions

PE – instruction games