Questioning – Year 2 Spring

Computing Knowledge Organiser

Key Learning

- To learn about data handling tools that can give more information than pictograms.
- To use yes/no questions to separate information.
- To construct a binary tree to identify items.
- To use 2Question (a binary tree database) to answer questions.
- To use a database to answer more complex search questions.
- To use the Search tool to find information.

Key Questions

How does a Pictogram show information?

On a pictogram, data is represented by pictures. Pictograms are set out in the same way as bar charts, but instead of bars they use columns of pictures to show the numbers involved.

How is information organised in a binary tree?

On a binary tree information is organised through a series of questions that can only be answered 'yes' or 'no'. Eventually only one item is left in the category which forms the end of a branch of the binary tree.

How can a database help organise information?

A database is a way of storing information in such a way that it can easily be searched. Databases are designed to hold lots of information that would be difficult to search without using a computer.

Key Vocabulary

Pictogram
A diagram that uses pictures to represent data.

Question
A sentence written or spoken to find information.

Data
Facts and statistics collected together that can provide information.

Collate
Collect and combine (texts, information, or data).

Binary Tree
A simple way of sorting information into two categories.

Avatar
An icon or figure representing a person in a video game, Internet forum or other online format.

Database
A computerised system that makes it easy to search, select and store information.

Key Resources

purple mash

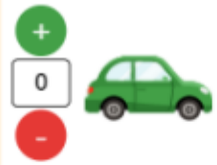

2Count


2Investigate


2Question

Key Images


Open, close or share information


Enter data into a pictogram


Add or delete columns in a pictogram

Add a question to sort the information in a binary tree

Give a name to the binary tree


Find information in a database


Sort, group and arrange information in a database

'As a family we live, love, learn and celebrate with Jesus.'