

# Questioning – Year 2

## Spring 2024

# 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.

#### 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.

### Key Vocabulary

#### 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



2Count



2Investigate

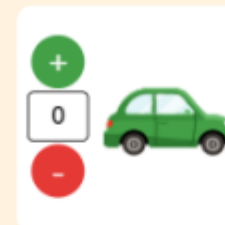


2Question

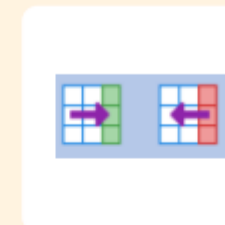
### Key Images



Open, close or share information



Enter data into a pictogram



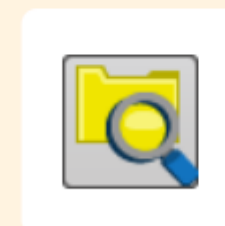
Add or delete columns in a pictogram



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