Unit: 2.4 – Questioning

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 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.

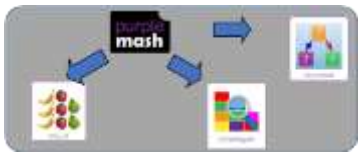
Collate – Collect and combine (texts, information, or data).

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.

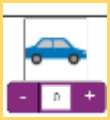
Database – A computerised system that makes it easy to search, select and store information.

Key Resources



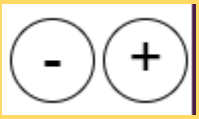
Key Images

Enter data into a pictogram.



Open, Save and share information.

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.

Sticky knowledge

- 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.
- On a binary tree information is organised through a series of questions that can only be answered 'yes' or 'no'.
- A database is a way of storing information in such a way that it can easily be searched.

Characteristics needed for this topic:

- Questioning
- Reasoning and problem solving
- Curiosity

Aspirations

- Analyst
- Accountant
- Sales