Leybourne Ss. Peter and Paul CEP Academy - Knowledge Organiser

Computing	Unit 2.4 – Questioning	Year 2

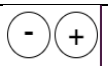
Key Learning

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.

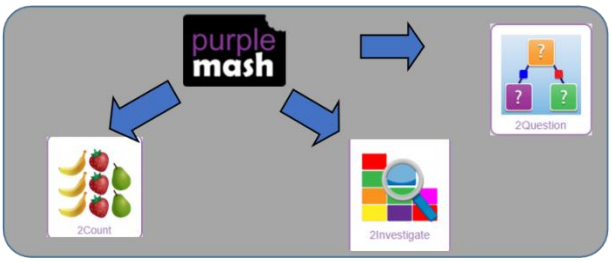
Key Vocabulary

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 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.	

Key Resources



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.