



Computing Topic: Unit 2.4 Questioning

Year: 2 Term: Spring 1

Key Knowledge/Content:

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

Key vocabulary with definition:

Prior vocabulary:

- Pictogram- A diagram that uses pictures to represent data.
- Question- A sentence written or spoken to find information.
- Search- Looking for specific information. On a database, you can use the 'Find' tool.
- Sort- Put things together by features they have in common.

New vocabulary:

- Avatar- A digital picture to represent someone.
- Binary Tree- A simple way of sorting information into two categories.
- Data- A collection of information, used to help answer questions.
- Database- A computerised system that makes it easy to search, select and store information.
- Field- A single piece of data in a database which makes up a record.
- Information- Knowledge or facts that come from a source.
- Record- An item in a database with a variety of information about a specific entry.

Links to:

Prior learning:

Sorting data according to criteria.
Collecting and presenting in a picture format.

Future learning:

Sorting and interrogate data.
Use of 2Calculate to collect data and produce a variety of graphs
Displaying and interrogating data in a graph form

By the end of this unit

All children can: understand how to read data from pictograms and binary trees.

Most children can: demonstrate how to use pictograms and binary trees in order to collate data.

Some children can: demonstrate and **explain** what is meant by a database and how a database can be used to answer simple and more complex search questions.

Background understanding for teachers and parents:

This unit is designed to help children learn about the importance of phrasing questions and that certain data-handling resources are limited in the answers they can provide. Children will be looking at a range of questioning and ways in which to present data.

Curriculum Driver (one):

Communication

Evidence outcome:

Use 2Question (a binary tree database) to answer questions. Children will be using a range of programs to answer and ask a range of questions.