



Linked learning theme: Year 5 – Spring 2

Computing – Data and information – Flat-file databases

Prior Learning

- In previous units, children will have used branched databases and will have collected data in a range of different ways. During this module, the children will further extend this learning by choosing the most appropriate forms to present data and to use data for a purpose.

Core knowledge

This unit looks at how a flat-file database can be used to organise data in records. Learners will use tools within a database to order and answer questions about data. They will create graphs and charts from their data to help solve problems. They will also use a real-life database to answer a question, and present their work to others.

Key skills

- Order, sort and group data.
- Choose appropriate methods to sort data.
- Answer questions using data.
- Use 'AND' and 'OR' to refine data.
- Use charts to compare data.
- Solve real-life problems, selecting the correct method to do so.

Vocabulary

Chart

Database

Field

Group

Order

Record

Sort

Values

Learning Outcomes

- To use a form to record information.
- To compare paper and computer-based databases.
- To outline how you can answer questions by grouping and then sorting data.
- To explain that tools can be used to select specific data.
- To explain that computer programs can be used to compare data visually.
- To use a real-world database to answer questions.