



Year X - Autumn - Computing Knowledge Organiser



What I already know...

- To explain that data gathered over time can be used to answer questions
- To use a digital device to collect data automatically
- To identify the data needed to answer questions

What I will learn...

- A database is a structured set of data held in a computer, especially one that is accessible in various ways.
- Forms can be used to record information
- Data can be grouped to answer questions.
- Software tools can be used to quickly select and analyse specific data.
- Computer software is designed to compare and display data visually.

Key Vocabulary

Data	Data can be letters, words, numbers, dates, images, sounds etc
Database	Database means a collection of organized data that is stored on a computer.
Flat-file database	A collection of data organized in a single table.
Grouping	The action of putting things into a group
Sorting	To arrange in to groups systematic e.g. alphabetical order
Record	One complete entry in a database about a person, place or thing
Field	A space for entering data e.g. name, age
Search	A method of finding information in a document or database
Graph	A pictorial diagram that shows differences in values.
Personal information	Information related to an individual person such as name or date of birth.

Making a difference at The Merton and beyond

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

Computing Skills needed to be a data collector..

Computing skills I will learn...

- to collect, analyze and evaluate information.
- to use searches effectively.
- to understand the importance of privacy when using personal information.
- To understand why databases are used