

Data Handling Detectives with Kit the Fox

Learning objective: To understand how to collect, organise, and interpret digital data effectively using spreadsheets and databases.

Use these flashcards to test your knowledge of data handling. Kit the Fox suggests reading the definition carefully and thinking about how you would apply these terms to a real-world computing project.

What is a Database?

A structured collection of data held in a computer so that it can be easily accessed, managed, and updated.

Define a 'Record' in a database.

A complete set of information about one specific item or person, usually stored as a single row.

What is a 'Field'?

A single piece of information within a record, such as a name, age, or price, usually represented as a column.

What does it mean to 'Query' a database?

A request for specific information or data from the database based on certain criteria.

Explain the difference between 'Sorting' and 'Filtering' data.

Sorting arranges data in a specific order (e.g., A-Z or lowest price to highest), while Filtering hides data that does not meet your chosen criteria.

What is the purpose of a 'Chart' in data handling?

To provide a visual representation of numerical data, making patterns, trends, and comparisons easier to identify.

Define a 'Variable' in the context of data.

A value that can change or vary, often used in programming or spreadsheets to store information that might be updated.

Why might you use 'Binary' in computing?

It is the base-2 number system (using only 0 and 1) that computers use to store and process all digital data.

Explain why it is important to check data for 'Accuracy'.

If the input data is incorrect, any results or conclusions drawn from the data will also be incorrect, leading to errors in analysis.

What is a 'Data Set'?

A collection of related data that is treated as a single unit for analysis.