

Data Handling Detectives with Kit the Fox

Learning objective: To understand and define key terminology for collecting, organising, and presenting data using digital tools.

Read each flashcard carefully. Try to guess the definition before checking the answer. Use these terms to help Kit the Fox organise his computing project data.

What is a Database?

A structured collection of data held in a computer, designed to make it easy to access, manage, and update information.

What is a Record?

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

What is a Field?

A single piece of information, such as a name or a price, which is stored in a column within a database.

Define a Query.

A request for specific information to be retrieved from a database, similar to asking a search engine a question.

What does it mean to Sort data?

To arrange data into a specific order, such as alphabetical (A-Z) or numerical (smallest to largest).

What is a Filter?

A tool used to hide unwanted information and show only the data that matches specific criteria you have chosen.

What is Primary Data?

Information that you collect yourself for a specific purpose, such as through a survey or a classroom experiment.

Define a Variable.

A characteristic or value that can change or vary, such as the height of plants or the price of items in a shop.

What is the purpose of a Chart?

A visual representation of data that makes it easier to spot patterns, trends, and comparisons than looking at a list of numbers.

What is a Tally?

A simple method of counting occurrences of data using marks, often grouped in fives, used before the data is entered into a digital system.

Explain the difference between a Record and a Field.

A record is the whole entry (the row), while a field is one specific category of information (the column).

Why do we use digital databases instead of paper files?

Digital databases allow for faster searching, easy sorting, and the ability to update information instantly without needing to rewrite entire pages.