

Computing — Year 3 (Summer)

Grouping, Sorting and Classifying Data

Key vocabulary to remember and use in your learning

data	Facts and information that a computer has turned into and stored as a number.
database	A system on a computer that stores data, making it easier to search for and select the information you want.
record	A piece of information that is stored in a database.
field	The column heading / title that represents a particular criteria in a database.
search criteria	The thing that you are searching for.
personal information	Things that can be used to identify you, such as a name, age, gender, phone number, address, but also hobbies, interests, gamer username, social media username, etc.
retrieve	Finding the information you want.

Online Safety—Personal Information

When you sign up to a website, app or game, you are often asked for a lot of information about yourself. The app may also learn more about you by how you use it. This information can be used in many different ways.



Key knowledge to know and use

- Databases are used for storing, maintaining and accessing any sort of data, collecting information on people, places or things
- They can be thought of as an organised collection of information that allows access to specific data quickly and are laid out in 'fields'
- Databases can also be searched to find this specific information
- When you sign up to a website, app or game, you are often asked for a lot of information about yourself and should be careful about what information you share
- The app may also learn more about you by how you use it. This information can be used in many different ways.

Lewis Carroll

Lewis Carroll (real name Charles Lutwidge Dodgson) is best known for being a writer of children's fiction. His most famous work is Alice's Adventures in Wonderland, where a girl named Alice travels to a magical land and meets lots of interesting characters. However, Carroll was also a mathematician and he invented a way of grouping and classifying data (information) that is still used today.



Carroll Diagrams

A Carroll Diagram is a diagram laid out like a table with four squares. Objects (like shapes, numbers or even animals) are sorted into the table based on their characteristics.