

## Key Learning

To learn how to search for information in a database.

To contribute to a class database.

To create a database around a chosen topic.

## Previous learning

Use of 2calculate to collect data and produce a variety of graphs.

Inputting and interrogating data.

Presenting data through line graphs.

## Key Vocabulary

**Avatar** – An icon or figure representing a person in a video game, Internet forum, etc.

**Binary tree (branching database)** – A way to sort information by dividing the information into groups based upon questions with yes or no answers.

**Charts** – Representing information in a pictorial form.

**Collaborative** – Produced by, or involving, two or more parties working together.

**Data** – Facts and statistics collected together for information.

**Database** – A set of data that can be held in a computer in a format that can be searched and sorted for information.

**Find** - Search for information in a database.

**Record** – A collection of data about one item entered into a database.

**Sort, Group and Arrange** – Different ways to sort information in a database to it is easy to read, understand and interpret.

**Statistics and reports** – To produce information about data in a database.

**Table** – Sorting information into rows and columns.

## Aspirations

- Data collection
- Software engineer
- Data analyst

## Characteristics needed for this topic:

- Reasoning and problem solving
- Risk taking
- Making links

## Sticky knowledge

A collection of data organised in such a way that it can be searched, and information found easily. Database usually refers to data stored on computers.

Making a database collaborative allows lots of people to enter information into the database at the same time. This is a lot quicker than one person entering the data by themselves.

A database can hold lots of information so it is essential that information can be effectively investigated. In 2Investigate, data can be searched and sorted in a variety of ways. It can also be presented pictorially.