

## Year 5 Spring 2 – Databases 2Question 2Investigate

### IMPORTANT FACTS

A database is a system for storing and taking care of data (any kind of information).

A database engine can sort, change or serve the information on the database. The information itself can be stored in many different ways; before digital computers, card files, printed books and other methods were used. Now most data is kept on computer files.

A database system is a computer program for managing electronic databases. A very simple example of a database system would be an electronic address book.

The data in a database is organized in some way.

The most commonly used database model is called the relational database model. It uses relations and sets to store the data. Normal users talking about the database model will not talk about relations; instead, they will talk about database tables.

### Sequence of 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.

**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.

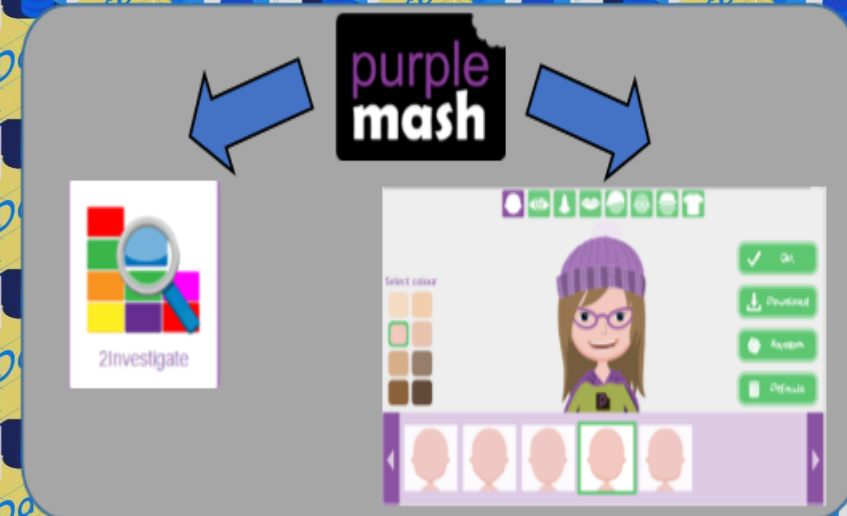
**Find** – Search for information in a database.

**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.



### Final outcome:

Children can create their own database on a chosen topic. Most children will be able to create a database within 2Investigate which contains contextualised information relating to a topic. They can add fields which are appropriate for the topic choice and present data using graphical tools, table views, and search for appropriate content to be displayed to answer a question

### Key Skills

Understand the different ways to search a database.

Know how to search a database in order to answer questions correctly.

Design an avatar for a class database.

Understand how to add records to a database.

Know what a database field is and can correctly add field information.

Understand how to word questions so that it can be effectively answered using a search of their database.