

# PURPLE MASH COMPUTING SCHEME OF WORK - KNOWLEDGE ORGANISER

Unit: 5.4 - Databases



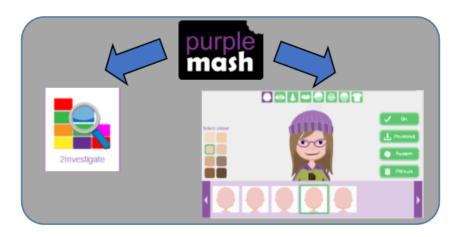
#### **Key Learning**

To learn how to search for information in a database.

To contribute to a class database.

To create a database around a chosen topic.

#### **Key Resources**



### **Key Vocabulary**

<u>Avatar</u> – An icon or figure representing a person in a video game, Internet forum, etc.

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

<u>Charts</u> – Representing information in a pictorial form.

<u>Collaborative</u> – Produced by, or involving, two or more parties working together.

<u>Data</u> –Facts and statistics collected together for information.

<u>Database</u> – 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.

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

<u>Statistics and reports</u> – To produce information about data in a database.

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



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## **Key Images**

Avatar creator

Open, save or share a file.

Design a new database

Add a record to the database

Find information in the database

Sort, group and arrange information.

Statistics and reports

Represent the information as a chart

















### **Key Questions**

What is a database?

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.

Why is the collaborative feature important?

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.

In what ways can I sort information in a database?

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.