Branching Databases Knowledge Organiser

What are we learning about branching databases?

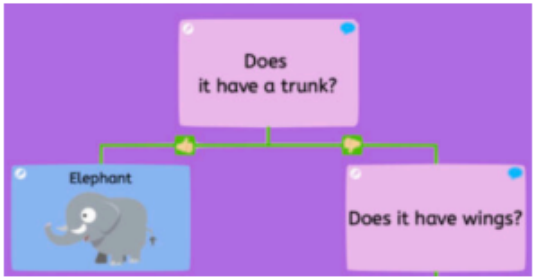
We can use a computer to sort objects, helping people to find the information they are looking for. One way to do this is by creating branching database (it is called a branching database because it looks like the branches of a tree) that people answer yes/no questions about objects, to sort them until there is only one left.

National Curriculum Content

Collect, classify and present data.

Key knowledge

1. Know how to add and label objects.
2. Know how to ask questions to sort (classify) objects correctly.



Important Vocabulary

Branching database	A database is way to organise data (information) so we can use it. A branching database divides the data into questions that look like the branches of a tree.
Data	This is the information we will use in our branching database. For example, it could be objects such as animals, food, planets etc. When you are deciding what data to use, try to choose a topic with different objects that you know about.
Sort	This means we can divide the data (objects) into the smaller parts. For example, we could start with 10 animals and use a branching databases to sort the animals into 2 groups. Then we can sort each of these 2 groups into more groups.
Classify	This is how we put the objects into categories, helping to sort them. For example, we can classify animals by those that lay eggs and those that do not.
Yes/no questions	We can sort and classify the objects by asking yes/no questions where the answer can only be yes or no. For example, does the animal have a trunk?

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Key Learning: Branching database	
1	**What is a branching database?** Explore what a branching database it and how it is based on binary yes/no questions. Play yes no game asking suitable questions about animals. Use **Junior Infant Tools Branch website** to create branching database of animals.
2	**What are branching databases used for?** Create a whodunit database of criminals based on the information given. Then use the clues to solve the crimes. Are there any types of questions that did or didn't help the search?