Bomere and the XI Towns Federation Knowledge Organiser - Computing

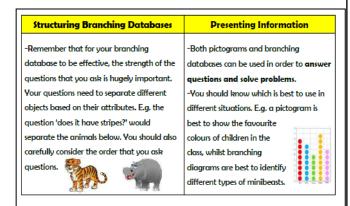
Topic: Data and information – Branching databases

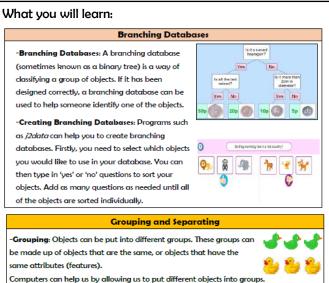
Class/Year Groups: Grinshill

Term: Spring

What you already know?

This unit progresses childrens' knowledge and understanding of the categories of data handling, with a particular focus on implementation. It builds on their knowledge of data and information from key stage 1. They will continue to develop their understanding of attributes and begin to construct and interrogate branching databases as a means of displaying and retrieving information.





| of the objects are sorted individually. | | |
|--|--|--|
| Grouping and Separating | | |
| -Grouping: Objects can be put into different groups. These groups can be made up of objects that are the same, or objects that have the same attributes (features). Computers can help us by allowing us to put different objects into groups. | | |
| -Yes or No Questions: Questions that require yes and no answers can be useful for helping us to find out the attributes of different objects. For example: -Is it big? (size) -Is it red? (colour) -Is it made of plastic? (material) -Is it heavy? (weight) | -Multiple Groups: Sometimes, we need to split objects into more than two groups, and so one yes or no question alone is not enough. For example, we may wish to classify animals into the different animal types (mammals, birds, reptiles, amphibians, fish, etc.). We may ask multiple yes or no questions, such as 'does it lay eggs?' 'does it have hair or fur?' etc. | |

| information what we understand from looking at data classify consider objects within a certain group | Vocabulary: | |
|---|-------------|---|
| data | data | figures and numbers |
| classify consider objects within a certain group | information | |
| | classify | consider objects within a certain group |
| branching a way of classifying a group of objects database | | a way of classifying a group of objects |



National Curriculum Objectives:

- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- use technology safely, respectfully and responsibly

