What I Need to Know: Y3 Computing: Data & Information – Branching Databases

We nurture the curiosity to learn, the courage to lead and the compassion to care.

In this unit, we will develop our understanding of what a branching database is and how to create one using j2data. We will use yes/no questions to gain an understanding attributes and how to use them to sort groups of objects.

Create, Communicate & Evaluate	
Create a branching database to identify different types of dinosaur	
Question, Reason, Discuss & Explain	
Explain why it is helpful for a database to be well structured	
Compare two branching database structures	
Explain that questions need to be ordered carefully to split objects into similarly sized groups	
Know & Do	
Create questions with yes/no answers and use these questions to split a collection of objects into groups	
Select an attribute to separate objects into groups	
Arrange objects into a tree structure	
Group objects using my own yes/no questions & test my branching database to see if it works	
Create questions that will enable objects to be uniquely identified	
Create a physical version of a branching database	

Vocabulary I need to know…
attribute, value, questions, table, objects, branching databases, objects, equal, even, separate, order, organise, j2data, selecting, pictogram, information, decision tree, questions

Opportunities to support English and maths
• Creating a branching database to identify 2D & 3D shapes. • Understand closed questions requiring a yes/no answer. • Plan, create and edit their database questions

Curriculum Links and Enrichment Activities
• Identify animals/plants/historical artefacts using a branching database.

Respect   **Responsibility**   **Reflection**   **Resilience**