Progression

* This unit progresses students’ knowledge and understanding of grouping data. It builds on the Year 1 Data and Information unit where learners labelled objects and grouped them based on different properties. In Year 3 learners develop their understanding of attributes (properties) using branching databases to structure data according to different object attributes.

Key Vocabulary and Definitions:

|  |  |
| --- | --- |
|  | A higher value |
|  | A lesser/smaller value |
|  | Greatest in amount |
|  | the smallest value or amount. |
|  | Order and arrange combinations of objects in patterns and sequences teaching |
|  | A collection of information. gathered by observation, questioning or measurement. Data is often organised in graphs or charts for analysis and. may include facts, numbers or measurements. |
| Object | An object is something that you can touch. A material is what the object is made from. |
|  | A tally chart is a table used for counting and comparing the numbers of multiple classes of a data set. |
|  | Individual choice |
| total | The result of adding. |

National Curriculum

* Use technology purposefully to create, organise, store, manipulate and retrieve digital content
* Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

Teaching Sequence

**Computing Science**

1. To recognise that we can count and compare objects using tally charts.
2. To recognise that objects can be represented as pictures
3. To create a pictogram
4. To select objects by attribute and make comparisons
5. To recognise that people can be described by attributes
6. To explain that we can present information using a computer

**Online safety – Online Bullying**

1. To explain how information put online about someone can last for a long time
2. To recognise that devices can be connected via networks.
3. To describe how anyone’s online information could be seen by others.
4. To know who to talk to if something has been put online without consent or if it is incorrect.

Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

Final outcome:

Concept Cartoon: