



St John Fisher RC Primary School

Year 4 Knowledge Organiser – Autumn Term One - Science

What we will be learning

Group and Classify living things

I know:

- **Lesson 1** - to group animals into amphibians, reptiles, vertebrates and invertebrates
- How to sort animals into mammals and fish
- **Lesson 2** - How to group plants into flowering and non-flowering plants
- **Lesson 3** - How to sort animals and plants using a classification key

Data Collection

I know:

- **Lesson 4** - How to complete tally charts to collect information about animals in the local area
- **Lesson 5** -How to analyse data about animals on tally charts and bar charts

Key Facts to Remember

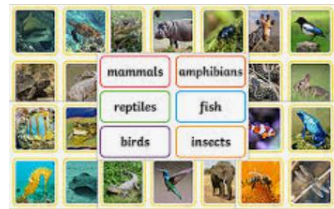
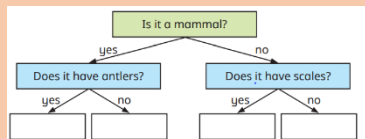
- Living organisms can be grouped in many ways, such as by their characteristics, habitat, or behaviour.
- Plants can be grouped into categories, like flowering and non-flowering, or by their seeds, leaves, and stem types.
- Classification keys are tools that help identify, group, and name organisms based on their specific features.
- Tally charts are used to collect information.
- Bar charts and pictograms are used to present data.
- Presenting data in bar charts and pictograms helps to spot patterns and trends easily.
- Data can be used to make conclusions and predictions for further investigations.

Key Vocabulary and Glossary

Amphibian	Cold blooded animals that live on land and in water
Reptiles	A group of vertebrate animals characterised by having scales, laying eggs, and being cold-blooded
Invertebrates	An organism without a backbone
Vertebrates	An organism with a backbone
Characteristic	Feature or quality belonging to a creature
Classification	Grouping or sorting of similar organisms
Tally chart	A simple way to record and organise data using tally marks
Data	Information collected, such as facts, observations or numbers
Analyse	To look at something very closely and carefully, breaking it down into smaller parts to understand it better

Key Knowledge:

Closed questions are used in classification keys.



Animal	Number seen
slug	
snail	
worm	.

