

Classification			Data, Tables & Graphs		
Use large spider keys with obvious differences	Use a spider key with fine differences	Construct spider keys & use number keys	Use a frame to construct a simple table of results	Construct a simple table to compare cause & effect	Use a frame to construct a complex table of results
Create groups for sorting	Create appropriate groups for sorting	Group & sub-group by observation	Use a frame to construct a bar chart	Construct a bar chart correctly	Use a frame to construct a graph
			Draw bars on a bar chart	Plot coordinates (data points) on a graph	Join plotted data points with straight lines

Key Knowledge

- Living things can be grouped in a variety of ways.
- Use classification keys to group, identify and name living things in the local and wider environment.
- *Know how to sample a habitat for species diversity identification.*
- Environments can change and this can pose dangers to living things. *Conservation acts to save species and restore habitats.*

Key Vocabulary

Habitat, environment, micro-habitat, abiotic, plants (habitat specific examples), animals (habitat specific examples), vertebrates, invertebrates, predator, prey, adapted (adaptation), competition, pollution, toxic, conservation, species, diversity, richness, abundance, biodiversity, sample (sampling), transect (line/belt), quadrat, pit-fall trap, sweep net, pooter, **key**, **spider key**, **number key**, **classify (classification)**, **feature**, **table of results**, **cause**, **effect**, **repeats (repetition)**, **bar chart**, **bar**, **graph**, **axes**, **data point**, **coordinate**.

Science Enquiry

Types of Enquiry you may use are:

- Researching
- Sorting & classifying
- Finding patterns
- Observing / measuring over time
- Comparative and fair testing

In this topic you will explore, observe and measure biodiversity in a range of habitats and investigate how changing habitats affects the species found. You may also visit local habitats to see how humans are both damaging and conserving wildlife.

Big Picture Model

Describe the type of habitat (woodland, grassland, etc)

Describe the conditions in the habitat (light/dark, dry/wet, warm/cold, etc)

Name each species you find

Research & investigate how each species 'fits' within the habitat (food chains, adaptations, etc)

Describe how environmental change can affect living things

