



Year 4



Statutory Requirements:

- Recognise that living things can be grouped in a variety of ways
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- Recognise that environments can change and that this can sometimes pose dangers to living things

Working Scientifically:

- Asking relevant questions and using different types of scientific enquiries to answer them
- Setting up simple practical enquiries, comparative and fair tests
- Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables

Key Vocabulary:

- Habitat, micro habitat
- Pond, meadow, log pile, woodland, river, lake, beach, cliff
- Organism – plant, animal
- Species
- Carnivore, omnivore, herbivore
- Mammal, bird, fish, reptile, amphibian, arthropod
- Vertebrate, invertebrate
- Feline, canine, bovine
- Environment, climate
- Jungle, forest, rainforest, desert
- Pollution – water and air

Key Knowledge:

Classification and Grouping:

Organisms can be classified in a variety of ways.

Kingdom: Huge groups. There are five kingdoms, containing animals, plants, fungi, prokaryotes, and protists.

Class: This includes broad groups, for example in the animal kingdom there are mammals, birds, reptiles etc.

Order: Based on whether animals are carnivorous, herbivorous or omnivorous.

Family: Families of animals include felines (cats such as lions, leopards, domestic), canines (dogs including hyenas, wolves, domestic breeds) and bovine (cattle such as cows, yaks and buffalo).

Species: Animals of the same type who are able to breed and produce young.

Key Scientists:



Amy Vedder (1951 -)

American biologist and conservationist, most notable for her work on gorilla conservation in Rwanda.