

Principles of Science:

- We ask questions
- We explore and investigate
- We use scientific vocabulary
- We make links with other subjects
- We have fun!

Focus scientists:

Mary Anning
Jane Goodall

Writing opportunities:

Descriptive writing
Labelling, caption, list writing

Key vocabulary:

bird fish amphibian
reptile mammal
carnivore herbivore
omnivore skeleton
habitat life cycle
vertebrate skull
bone teeth swim
fly feathers scales
fur skin diet
nocturnal pet

Topic Overview: **Animals including Humans**

Pupils should use the local environment throughout the year to explore and answer questions about animals in their habitat. They should understand how to take care of animals taken from their local environment and the need to return them safely after study. Pupils should become familiar with the common names of some fish, amphibians, reptiles, birds and mammals, including those that are kept as pets. Pupils should have plenty of opportunities to learn the names of the main body parts (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth) through games, actions, songs and rhymes.

SCIENCE

Year 1



Autumn 1

Objectives:

- To identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- To identify and name a variety of common animals that are carnivores, herbivores and omnivores
- To describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
- To identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

Work scientifically by:

- Using their observations to compare and contrast animals at first hand or through videos and photographs
- Describing how they identify and group animals
- Grouping animals according to what they eat
- Using their senses to compare different textures, sounds and smells

Learning Outcomes/ Assessment

Emerging	Secure	Exceeding
<ul style="list-style-type: none"> • <i>Observe object/living things/event and comment on it</i> • <i>Notice similarities and differences in order to group and compare objects, living things and events</i> • <i>Link cause and effect; recognise patterns and relationships</i> 	<ul style="list-style-type: none"> • <i>Show understanding of a concept by using scientific vocabulary correctly</i> • <i>Apply knowledge in familiar related contexts</i> 	<ul style="list-style-type: none"> • <i>Create links to other curriculum areas</i> • <i>Apply knowledge in unfamiliar context</i>