

Knowledge Organiser

The Big Question: What criteria must be met for something to be classified as a bird?



Prior Knowledge

- Animals include humans when classifying.
- Animals and plants are living things.
- A skeleton is an internal or external framework of bone.
- We can group living things in many different ways.

Questions for experts

- Which species have been invaded by another species?
- Which species are endangered or extinct?
- How do environments change?

Careers

Zoologist, Environmental scientist, Marine biologist, Botanist

Conceptual Science Knowledge - Living things and their Habitats

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.



Biology

Movement
Respiration
Sensitivity

Growth
Reproduction
Excretion
Nutrition



Working Scientifically Knowledge



- Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.
- Use appropriate scientific vocabulary.
- Make observations and record them systematically.

Key Vocabulary

Habitat	The natural environment in which an animal or plant usually lives.
Classification	Dividing things into groups according to their type.
Classification Keys	A series of questions used to identify or group living things.
Environment	The air, water, and land in or on which people, animals, and plants live.
Human Impact	How humans' actions change something.
Positive	Having a good effect.
Negative	Having a bad effect.
Life Processes	These are the 7 processes all living things do - movement, reproduction, sensitivity, nutrition, excretion, respiration and growth.