

Science Knowledge Building

Know that animal reproduction can be more or less successful depending on external factors such as poor nutrition, climate change

Know what a biome is and understand how adaptations differ in different biomes

Know the basic theory of evolution and compare it to alternative theories and arguments about the existence of life

Know a wider range of vocabulary relating to specific species, such as 'tendrils' and 'gills'

Understand how humans can affect habitats and biomes and know some solutions to help save animals and plants living there

Understand that information needs to be relevant and carefully read to ensure that theories are supported by evidence

Know that offspring can vary in appearance to its parents

Understand how some animals have adapted to suit their environments and know the ways that some animals have done this

Understand why animals, birds, plants and insects are classified and give reasons for such classifications

Know and understand the terms 'classification', 'hereditary', 'environment' and 'theory of evolution'

Know that some animals are at risk due to changes in their biome and, therefore, reproduction rates and births are decreasing

Know how to find more in-depth information about a specific animal, plant, insect or bird

Understand that numerous factors can affect or prevent change

Know what makes a good methodology and explain how adaptations can lead to improvements

Identify, analyse and explain findings to support or dismiss theories or arguments

Know how to use a range of scientific vocabulary in various contexts

Know that science has implications for world issues and that it can be used for good or bad

Understand how their own STEM skills can benefit future science work in school and beyond

Processes and Changes

Methods

Observing and Recording

Scientific Vocabulary

Uses and Implications

Cross-Curricular (STEM)

"I Have a Dream..."