

# Year 6 Science

## Our big topic on: Evolution and Inheritance

**Prior learning:** Children will be able to use knowledge gained from the units of learning below to support their understanding of the new concepts that they will learn.

Basic characteristics and needs of living things (Year 2)

Life cycles of various organisms (Year 4)

Introduction to adaptation and survival (Year 4)

Reproduction (Year 5)

Classification of organisms (Year 5)

Simple inheritance patterns (Year 5)



### Key Vocabulary

<u>Word</u>	<u>Definition</u>
Genes	Instructions inside our bodies that decide how we look and grow.
Offspring	The babies or young of an animal or plant.
Species	A group of living things that ate similar and can have babies together.
Variation	Differences between living things in the same species.
Natural selection	When animals or plants with helpful traits survive and have more babies.
Adaptation	A change in a living thing that helps it to survive in its environment.
Reproduction	The process of making new living things.

### Lesson objectives

### National Curriculum Objectives

1. What is variation?

2. Why do adaptations matter?

3. What are some animal adaptations?

4. How do plants adapt?

5. What can fossils reveal?

6. Who are key figures in evolution?

- To recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- To recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- To identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



As children of God we are loved, we are called, and we are inspired.

