St Peter's Roman Catholic Primary School

Science

Year 6 Autumn 1

Evolution and Inheritance

What is this topic about? In this topic, we will learn how animals are adapted to suit their environment and how these changes over many years lead to evolution. We will look at examples of animals, such as camels to see how and why they adapted. We will then look at how characteristics and traits and inherited by our parents and how all living things reproduce offspring.



At the end of the Topic I will know…

- That all living things have offspring of the same kind.
- That our characteristics are inherited by our parents.
- That animals have adapted to suit their environment.
- That changes over an amount of time lead to evolution.

I will show my scientific skills by…

- **Observing** and **raising questions** about local animals and how they are adapted to the environment.
- **Comparing** how some living things adapt to survive in extreme conditions, e.g. cactuses, penguins and camels.
- **Analysing the advantages and disadvantages** of specific adaptations, such as being on two feet rather than four.
- Use secondary sources to **research** about how the population of an animal changed during a period of time
- Make **observations** of fossils to identify living things that lived on Earth millions of years ago.
- **Compare** the ideas of Charles Darwin on evolution.

KEY VOCABULARY

Evolution	Adaptation over a very long time
Species	A specific type or breed of something, like different species of snakes are adders, pythons, cobra etc.
Inherited traits	These are traits (characteristics) that you get from your parents.
Reproduce	To produce offspring.
Offspring	The young or plant that is produced by the reproduction of that species.
Variation	The differences between individuals within a species.
Adaptation	Adaptation is a trait changing to increase a living thing's chances of surviving and reproducing.