



Science – Evolution and Inheritance



Year 6
Autumn Term 2

Key Learning

Understand that living offspring inherit certain characteristics from their biological parents.

Appreciate that living things have specific adaptations that help them survive in their habitats.

Understand how all living things can be divided into one of five kingdoms.

Understand that natural selection is the process by which favourable characteristics become more common in a population over time.

Understand that species adapt to their environments over time.

Understand that rocks can be classified into three types: igneous, sedimentary, and metamorphic.

Working Scientifically

- Plan different types of scientific enquiries to answer their own or others' questions, including recognising and controlling variables where necessary.
- Report and present findings from enquiries, including conclusions, causal relationships, and explanations of and degree of trust in results, in oral and written forms such as displays and presentations.
- Identify scientific evidence that has been used to support or refute ideas or arguments.

Key People

Charles Darwin - Darwin was an English scientist who studied nature. He is known for his theory of evolution by natural selection. According to this theory, all living things are struggling to survive. The living things that have the most helpful traits for their environment tend to survive.

Key Vocabulary

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|--------------------------|--|
| Natural selection | A process by which a species changes over time in response to changes in the environment |
| Characteristics | A special quality or appearance that makes an individual or group different from others |
| Fossil | The remains or traces of prehistoric life |
| Parent | A mother or father |
| Offspring | The child or young of a particular human, animal, or plant |
| Inheritance | The process by which genetic information is passed on from parent to child |
| Adaptation | The natural process by which an animal or plant becomes fitted to its surroundings, or environment |
| DNA | The genetic information inside the cells of the body that helps make people who they are |
| Reproduce | The process by which a living organism creates a likeness of itself |
| Genetics | The way physical traits and characteristics get passed down from one generation to the next. |

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