



# Evolution Organiser Y5-6 Term 2

## Key Knowledge

- To understand that characteristics are passed from generation to generation.
- To understand that the process of species changing is called evolution.
- 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 be able to explain that evolution is a process which takes places of thousands or millions or years.
- To explain that adaptations happen over a very long time.
- To understand that fossils can provide evidence for the process of evolution.
- To recognise the role fossils have in the development of evolutionary theory.
- To be able to explain the process in which fossil are formed.
- To examine how the fossil records allow us to examine evolutionary relationships.
- To know that the theory of evolution was discovered by a scientist named Charles Darwin.

## Key Vocabulary

- Evolution – adaptation over a very long time.
- Fossil – the remains or imprint or an animal, embedded in rock and preserved.
- Adaptive traits – genetic features that help a living thing to survive.
- Inherited traits – traits (such as curly hair) which are inherited from parents.
- Variation – differences between a species



## Links to Other Subjects

RE:

- To explore the ideas of evolution vs creation.
- To be able to explain the Gospels of Genesis says about creation.
- To discuss whether the theory of evolution is complementary or contracting to the story of creation.
- To learn what different Christian' = viewpoints are of creation vs evolution, including those of Christian scientists.



## Prior Learning

- Last term the children will have learnt:
- That variation happens in offspring as well as across species.
  - To understand how different inheritances traits can be positive or negative.
  - To understand the difference between inherited and environmental variations.
  - To be able to explain the process of natural selection.

## Preparing for the Future

KS3

Genetics and Evolution:

- The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection
- Changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction.