



Year 6 EVOLUTION & INHERITANCE

Science Knowledge Organiser



Knowledge

Skills

Vocabulary

- Knowledge Progression**
- How do we know about living things that have lived in the past—what do you think a fossil is?
 - Are all siblings of living things identical?
 - How have birds adapted their bodies to suit their habitat and environment?
 - What must all living things be able to do in order to survive?
 - How are different animals suited to where they live?
 - How are plants suited to, and adapted to their environment?
 - How have different plants around the world evolved to survive?

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

- Skills Progression**
- To be able to identify scientific evidence that has been used to support or refute ideas or arguments.
 - To be able to plan an enquiry that will answer a question.
 - To be able to record data
 - To be able to present findings from an enquiry.
 - To be able to recognise which secondary sources will be most useful to research ideas.

- Scientific vocabulary**
- Evolution, evolve, natural selection, survival, reproduction, offspring, parents, siblings, environment, Variation, fossils; ammonites, belemnites, micrasters, etc.
- Scientific enquiry**
- How have living things changed over time?
 - How can fossils tell us about living things in the past?
 - Are offspring different to their parents? How? Why?
 - How do living things adapt to their environment? How is this linked to evolution?
 - Which sources are reliable / unreliable when investigating evolution?

