**St Mary’s C of E Primary School, Writhlington**

*‘Inspiring Learning Together’*

**Scheme of Work + Knowledge Organiser**



**National Curriculum Knowledge outcomes:**
I can recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.

I can recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

I can identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

**Key Vocabulary:**

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| **Spelling** | **Definition/Sentence** |
| **Adaptation**  | The process of change so that an organism or species can become better suited to their environment |
| **Body fossil** | Preserved remains of the body of the actual animal or plant itself |
| **Breeding**  | The mating and production of offspring by animals |
| **Environment** | The surroundings or conditions in which a person, animal, or plant lives |
| **Evolution** | The process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth |
| **Fossil** | The remains or impression of a prehistoric plant or animal embedded in rock and preserved  |
| **Inherit** | To gain a quality, characteristic or predisposition genetically from a parent or ancestor |
| **Offspring** | A person’s child or children/ an animal’s young |
| **Reproduction** | The production of offspring by a sexual or asexual process |
| **Selective breeding** | The process by which humans use animal breeding and plant breeding to develop selective characteristics by choosing particular animals and plants |
| **Trace fossil**  | Indirect evidence of life in the past such as the footprints, tracks, burrows, borings and waste left behind by animals |

**The Learning Journey:**

**Can I explain what a fossil is and what we can learn from them?** *Creating ‘fossils’.*

**Can I explain how fossils are formed?**

**Can I explain how human offspring can vary from the parents and why?**

**Can I explain how animal offspring can vary over time?***Create a documentary script – similar to David Attenborough- to explain adaptations.*

**Can I explain how animals and plants adapt to their environments?**
*Independent research to present findings to the class.*

**Can I explain some of the work of Charles Darwin?**

Science – Evolution and Inheritance