Knowledge Organiser **Strand: Science—Living things and their habitats and Evolution and Inheritance**

Year 6 Spring Term 2023 — Can we make a difference?

What should I already know?

- Life cycles of mammals, birds, insects and amphibians
- How to identify and name a variety of plants and animals
- A range of different habitats around the world and their conditions
- Food chains

Key Vocabulary

Evolution, fossils, inheritance, living things, micro-organisms, plants, animals, adaptation, offspring, environment, variations, inheritance, habitat, species, Charles Darwin

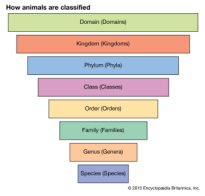
Living things, classification, classified, micro-organisms, bacteria, microscope, species, plants, animals, characteristics, taxonomist, classification key

Resources to help me with my learning!

- ◊ BBC Bitesize: https://www.bbc.co.uk/bitesize/topics/z6wwxnb
- ◊ National Oak Academy: https://classroom.thenational.academy/units/humans-and-animals-over-time-db18
- ◊ National Oak Academy: https://classroom.thenational.academy/units/adaptations-91bc

Evolution and inheritance - KS2 Science - BBC Bitesize

Living things and their habitats - KS2 Science - BBC Bitesize



What will I know by the end of these units?

- I know living things are classified into groups.
- I know all living things are classified including animals, plants and micro-organisms
- I can classify plants and animals based on specific characteristics
- I can explain the Linnaean System
- I know that Carl Linnaeus created the Linnaean System
- I know can give examples of creatures from each living thing group: birds, insects, amphibians, fish, arachnids, annelids, crustaceans, echinoderms, molluscs
- I can classify living things from my local habitat
- I know that evolution means how living things have changed over time
- I know that fossils provide information about living things that inhabited the Earth millions of years ago
- I know that living things produce offspring of the same kind
- I can explain inheritance
- I can explain Charles Darwin's theory of evolution
- I know that offspring vary and are not identical to their parents
- I know that plants and animals adapt to suit their environment
- I know that adaptations over time may lead to evolution