Knowledge Organiser

Strand: Science

Year 6 Spring Term 2022 — Can we make a difference?

What should I already know?

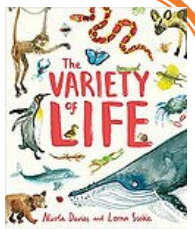
- Life cycles of mammals, birds, insects and amphibians
- How to identify and name a variety of plants and animals
- A range of different habitats around the world and their conditions
- Food chains

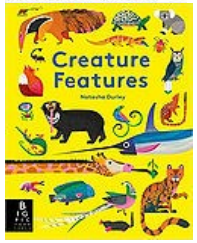
Key Vocabulary

Living things, classification, classified, micro-organisms, bacteria, microscope, species, plants, animals, characteristics, taxonomist, classification key, evolution, fossils, inheritance, plants, animals, adaptation, offspring, environment, variations, inheritance, habitat, species, Charles Darwin

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
- ◊ Books: Creature Features & The Variety of Life





What will I know by the end of these units?

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