**Year 5**

# Science Knowledge Organiser

**Spring Term**

## Living things and their habitats

### Key Concepts

Describe the reproduction life process in some plants and animals

Identify the function of parts of a plant

Describe the way plants are pollinated in order to reproduce

Explain the difference between sexual and asexual reproduction

Identify ways to make new plants

Describe different types of mammals

Describe and compare the different life cycles of mammals

Explain why chimpanzees are endangered

Identify the stages of a birds life cycle

Describe the similarities and differences between plant and animals life cycles

Explain metamorphosis and give examples

### Key Vocabulary

**Sexual reproduction**— where 2 parents are required to reproduce

**Asexual reproduction**—only one parent is required and produces an exact replica of the parent plant

**Gamete**—in plants a male or female sex cell of age

**Ovule**— the female gametes

**Fertilisation**—the action or process of fertilizing an egg or a female animal or plant

**Pregnancy**—the condition/period of being pregnant

**Monotreme**—primitive mammals that lay large yolky eggs, e.g platypus

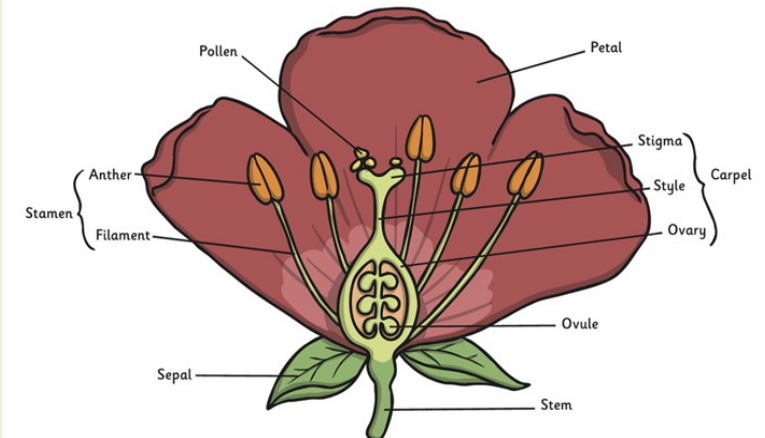**Marsupial**—mammals who are born incorrectly formed and spend time in a parents pouch e.g kangaroo, wallaby

**Metamorphosis**—a process where animals undergo a change in their body or behaviour

### Skills

Observing and measuring changes
Use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas
develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment.



### Curriculum Links

- Maths—measurement, statistics

- English— Speaking & listening.

*" Nurture, Inspire, Succeed"*