



Jerry Clay Academy
Subject Knowledge Organiser



Subject: Science (Living things) Year Group: 5 Term: Autumn

Core Learning of This Unit:

- To learn about the life processes of reproduction in some plants.
- To explore how new plants can be grown from cutting and bulbs.
- To know about the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- To learn about reproduction of animals

Prior Learning:

From KS1 and KS2: Children will have studies Animals, including Humans , Living things and their habitats and Plants across KS1 and 2. They should know what a living thing needs to survive and the different parts of a plant.

From Year 4 children should:

- Recognise that living things can be grouped
- Explore classification in local and wider environment
- Know that environments can change and sometimes this can pose danger



National Curriculum Statements:

Pupils should be taught to:

- describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describe the life process of reproduction in some plants and animal

Key Vocabulary:

- Bulb: a part of a plant that stores food underground, which grow a new shoot.
- Pollination: when pollen from one plant is transferred to the ovary of another.
- Fertilisation: when an egg and pollen join together.
- Larva: the young form of some animals, which looks very different from its parents. It undergoes a dramatic change to become an adult, and loses its young features or gains new ones.
- Gestation: when a baby animal develops inside its mother.
- Metamorphosis: a dramatic change in the life cycle of an animal in which it ends up looking totally different.

Significant People

- Jane Goodall was an English primatologist and anthropologist, who is considered to be the world's foremost expert on chimpanzees