



# St Andrew's C of E Maghull

## Science Knowledge Organiser



### Year 4 – Autumn 2 – Living Things and their Habitats – Conservation.

#### Knowledge

Recognise that living things can be grouped in a variety of ways

Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment

Recognise that environments can change and that this can sometimes pose dangers and have an impact on living things

#### Vocabulary

**Environment** – all the physical surroundings on Earth.

**Human impact** – real-world effects of our actions on the environment.

**Conservation** - a careful preservation and protection of something.

**Deforestation** - cutting down trees for a range of reasons

**Littering** – dropping rubbish or leaving large objects lying in the environment

**Pollution** – introducing harmful substances into the environment.

**Air pollution** - from cars, e.g., carbon monoxide, and the burning of fossil fuels.

**Water pollution** - through industrial waste and farm fertilisers that can pollute rivers and streams.

**Rubbish** — Plastic and household waste ends up on the streets, in the sea or in rubbish dumps, destroying habitats and wildlife.

#### Lesson Sequence

**Lesson 1** – I know that ecosystems are affected by changes in the seasons.

**Lesson 2** – I know the human impact on the environment through deforestation.

**Lesson 3** – I can explore the impact of pollution.

**Lesson 4** – I know that changes to environments can sometimes pose dangers to animals

**Lesson 5** – I can explore how humans can have a positive impact on nature

**Lesson 6** – Celebration of knowledge.