

Science

Statutory ELG: The World

Children at the expected level of development will:

Explore the natural world around them, making observations and drawing pictures of animals and plants;

Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class;

Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

Birth to five matters

Looks closely at similarities, differences, patterns and change in nature Knows about similarities and differences in relation to places, objects, materials and living things. Talks about the features of their own immediate environment and how environments might vary from one another. Makes observations of animals and plants and explains why some things occur, and talks about changes

Haggonfields' Knowledge Curriculum

Life

- Know that there are different common animals and plants
- Recognise and know the names of familiar plants and animals
- Describe and comment on things they have seen in the natural environment making reference to the seasonal changes and the impact this has on familiar animals and plants.
- Observe closely and make simple representations of living things in a variety of ways
- Know that animals and plants are living things
- Investigate and learn how to plant and water seeds, observing the change as these grow.
- Observe and distinguish between baby animals and those that are fully grown
- Talk about and demonstrate care for minibeasts in the environment

Earth and Space

- Know that we live in a country which is part of planet Earth.
- Know there are other countries on planet Earth
- Know that there are other planets in space

Energy

- Know that some objects need to have power to work.
- Know that it is adults who supervise powered objects.
- Know that their bodies get energy from food
- Know that exercise uses up energy, discuss that their bodies feel tired when they are low in energy

Forces and matter

- Use all senses to explore natural and synthetic materials
- Predict what might happen to an object when (e.g.) a magnet is used

At Haggonfields Primary pupils are provided with a secure foundation curriculum that enables all to be resilient lifelong learners. The NC Core and Foundation subjects are taught in the context of the Early Years Curriculum.

- Talk about and describe what they notice about different materials
- Observe and talk about changes to materials caused by (e.g.) heating or cooling
- Investigate and talk about what floats and what sinks
- Know some words that describe materials (hard or soft, rough or smooth)
- Talk about what they see using words such as – push, pull, stretch, bend, snap

Working Scientifically

- Observe closely and make simple representations of living things
- Observe and investigate the world around them closely using (e.g.) Magnifying glasses, magnets or torches
- Observe and talk about what they see happening in the world around them
- Describe and comment on things they have seen, including plants and animals

Tier 3 Vocabulary

Science, enquiry, investigation, test, why, senses, world, plants (leaf, stem, root, flower, seeds), animals, humans, materials, see through, push/pull (linked to magnets), natural, change, grow, decay, rot, environment