Science —Understanding the World FS1/2

Outcomes: Understanding the World Science

3—4 Year Olds

Use all their senses in hands-on exploration of natural materials.
Explore collections of materials with similar or different properties.
Talk about what they see, using a wide vocabulary.

Explore how things work.
Plant seeds and care for growing plants.
Understand the key features of the life cycle of a plant and an animal.
begin to understand the need to respect and care for the natural environment and all living things.

Explore and talk about different forces they can feel.
Talk about the differences between materials and changes they notice.

Reception

Explore the natural world around them
Describe what they see, hear and feel whilst outside
Recognise some environments that are different from the one in which they live
Understand the effect of changing seasons on the natural world around them

ELG—UOW—The Natural World

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.

Science Topics in FS1

My Body

Keeping Healthy

Teeth

Senses

Day and Night

Seasons

Word Bank

Look, watch, listen, feel, touch, smell, taste, names for key parts of the body, healthy, change, different, same, compare, find, idea, guess, fruit and vegetable names, animal names, forest, ocean, field, farm, zoo, jungle, town, plant, grow, seed, wildlife, minibeast, Autumn, Spring, Summer, Winter, life cycle, float, sink, fast, slow, hard, soft .

Key Knowledge

- Identifies some common animals
- Names parts of the body
- Begins to describe features of animals
- Begins to describe features of environment
- Compares two objects
- Shows care and concern for garden and wildlife
- Learns key vocabulary (see individual knowledge organisers)
- Engages in small world play e.g Farm animals/ vehicles
- Talks about some changes that occur in animals as they grow E.g butterfly life cycle
- Asks questions about what they have noticed
- Can use language to identify what is the same and different between two objects/ environments/ people/animals

Possible Experiences

- Cooking and tasting healthy food
- Hunts for seasonal changes
- Exploring fruit and vegetables
- Looking at bodies
- Investigation nocturnal animals
- Planting and growing
- Caring for the garden
- Caring for caterpillars
- Experimenting with water
- Exploring natural materials—wood, stones, shells.

Science Topics in FS2

Floating and Sinking

Freezing and melting

Light and Dark

Keeping Healthy

Teeth

Growing

Seasons

Word Bank

Look, watch, listen, feel, touch, smell, taste, names for key parts of the body, healthy, change, different, same, compare, find, idea, guess, fruit and vegetable names, animal names, forest, ocean, field, farm, zoo, jungle, town, plant, grow, seed, wildlife, minibeast, Autumn, Spring, Summer, Winter, life cycle, float, sink, fast, slow, hard, soft

Key Knowledge

- Identifies some common animals
- Names parts of the body
- Describe features of animals
- Describe features of environment and compare environments
- Shows care and concern for garden and wildlife
- Learns key vocabulary (see individual knowledge organisers)
- Engages in small world play e.g Farm animals/ vehicles
- Talks about some changes that occur in animals as they grow E.g butterfly life cycle
- Asks questions about what they have noticed
- Can use language to identify what is the same and different between two objects/ environments/ people/animals
- Makes observations about plants, animals and the weather.

Possible Experiences

- Caring for the garden
- Planting and growing seeds
- Hunts for seasonal changes
- Learning about and caring for chicks
- Possible visits to the farm and local area Holybrook Nook
- Exploring the natural environment in school—wild areas.
- Visit from school nurse—teeth.
- Experimenting with different materials and objects in water to see if they float and sink.
- Leaving water overnight in the winter and placing ice in sunny places to observe freezing and melting.
- Playing with torches and objects, looking at shadows outside in the sunny weather.
- Playing with magnets.