

Greenbank Primary School

EYFS Science Progression



ELG (End of Reception)	ELG: The Natural World <ul style="list-style-type: none">• 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.	
Greenbank EYFS Working Scientifically		
<ul style="list-style-type: none">• Make observations• Explore the local environment and resources• Demonstrate curiosity by asking questions and conducting investigations• Begin to sort and categorise• Notice similarities and differences, patterns and change		
Greenbank EYFS Composite knowledge		
	Nursery	Reception
Seasonal Change	<ul style="list-style-type: none">• Explore weather by going outdoors• Notice seasonal changes e.g. leaves falling off the trees• Understand key concepts such as hot/cold, wet/dry	<ul style="list-style-type: none">• Name four seasons• Name types of weather• Describe observations and changes in weather and season
Animals including humans	<ul style="list-style-type: none">• Name parts of the body• Explore senses through hands on experiences• Name a range of animals• Describe basic features of animals e.g. tail, head• Name some common animal young• Match common animal young to parent	<ul style="list-style-type: none">• Name main human body parts• Name five senses• Sort and categorise animals e.g. birds, wild animals• Use a wider range of scientific vocabulary e.g. trunk, tusk• Describe familiar life cycles e.g. butterfly• Understand that as animals age from birth to adult they grow• Describe some features of a healthy lifestyle e.g. healthy food choices

Plants	<ul style="list-style-type: none"> Observe a range of plants including trees and flowering plants Use some vocabulary linked to plants e.g. flower Have the opportunity to plant seeds or bulbs 	<ul style="list-style-type: none"> Observe how plants grow from seed/bulb Name basic parts of a plant Name some plants within the environment e.g. daffodil Know that some of our food is grown by plants
Living things and their habitats	<ul style="list-style-type: none"> Use small world equipment to make different habitats e.g. farm, jungle Match some animals and their habitats Know that animals need to eat and drink 	<ul style="list-style-type: none"> Name a range of habitats e.g. ocean, jungle Identify the habitats of living things Describe the feeding habitats of some animals
Everyday Materials	<ul style="list-style-type: none"> Explore resources made from a range of materials Begin to explore the properties of materials Observe physical changes e.g. cookery 	<ul style="list-style-type: none"> Name a range of materials e.g. wood, plastic Explore the properties of materials e.g. investigating which materials are waterproof Describe physical changes e.g. ice melting Begin to group materials

Vocabulary

Spring, summer, autumn, winter, hot, cold, rain, wind, sun, snow, frost, animal, plant, body part, head, neck, arms, legs, elbows, knees, face, ears, eyes, nose, hair, mouth, teeth, tail, tusk, horn, caterpillar, butterfly, daffodil, rose, dandelion, tree, bulb, seed, flower, leaf, water, jungle, farm, ocean, desert, North/South Pole, ice, freeze, melt, hard, soft, rough, smooth, stretchy, bendy, wood, plastic, metal, paper

Key Experiences

Nursery	<ul style="list-style-type: none"> Going outdoors to explore the weather e.g. puddle painting, wind streamers Exploring seasonal change e.g. leaf jumping, leaf rubbings, ice painting Sort and categorise materials and objects in different ways e.g. colour, size Use toys and equipment to explore push and pull forces Sing rhymes to help learn the names of body parts e.g. Heads Shoulders Knees and Toes Take part in exploratory play to explore senses e.g. feely boxes Take care of plants and living things in the environment e.g. bug hotel, growing boxes Observe the lifecycle of a butterfly Minibeast hunts Regular cookery activities to explore physical and chemical changes and promote the importance of a balanced diet Create representations of animals, habitats and plants e.g. small world models, drawings Use of scientific equipment e.g. magnifying glasses
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- Going outdoors to explore the weather e.g. puddle painting, wind streamers
- Exploring seasonal change e.g. autumn walk
- Handle and recognise a range of materials e.g. wood, metal, plastic
- Use toys and equipment to explore how forces can be changed e.g. if I push a car with more force it will travel further
- Visits from doctors/nurses, school cook to discuss how to stay healthy
- Explore what we can do with our senses e.g. guess the small games, describe textures
- Plant seeds and observe how they grow
- Visits from babies and older members of the community to observe and describe human lifecycle
- Regular cookery activities to explore physical and chemical changes and promote the importance of a balanced diet
- Create representations of animals, habitats and plants e.g. small world models, drawings
- Use of scientific equipment e.g. magnifying glasses
- Opportunities to record observations and results e.g. mark making, taking photographs
- Investigate scientific concepts such as floating and sinking

Continuous Provision opportunities

- Access to the outdoor area to explore weather and natural world
- Resources to explore weather e.g. wellies, wind streamers
- Wide range of animals and materials within provision for building habitats
- Opportunities to observe changes e.g. freezing toys in ice, making potions
- Plants/growing areas and gardening equipment
- Bug hotel
- Mud kitchen – opportunities to measure and investigate change
- Access to scientific equipment such as measuring equipment, magnifying glasses
- Identification cards e.g. minibeads, flowers
- Books linked to scientific topics e.g. family books, body parts, animals, habitats
- Sand and water area to explore water flow, floating, sinking, change and measurement
- Natural materials e.g. shells, rocks available for investigation