



St Gregory's Primary School –Understanding the World – The world - Science overview

Biology ELG-

- 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

Focus	Living things and their habitats	Plants	Animals, including humans
Nursery	<ul style="list-style-type: none"> • Explore different habitats outdoors, e.g. scent, colour & shape of flowers attracting bees • Observe growth & decay over time • Begin to understand the need to respect & care for the natural environment & all living things • Talk about what they see, using a wide vocabulary • Understand the key features of the life cycle of a butterfly 	<ul style="list-style-type: none"> • Most plants start growing from a seed or bulb • All plants need water & light to grow & survive • Observe plants closely through a variety of means e.g. magnifiers & photographs • Extend vocabulary: leaves, petals, roots, bulb, trunk, branches, stem, garden plants, wild plants, seeds • Use all the senses in hands-on exploration of plants • Understand the key features of the life cycle of a plant 	<ul style="list-style-type: none"> • Observe animals closely through a variety of means e.g. magnifiers & photographs • Look at key stages of development from birth to adult • Name & identify body parts • Observe & describe in words or actions the effects of physical activity on body • Understand the key features of the life cycle of an animal
Reception	<ul style="list-style-type: none"> • Describe what they see, hear & feel whilst outside • Observational drawings of the natural world • Discuss how to care for the living things & their habitats • observe how flora & fauna behave differently as the seasons change • Examine change over time • Use correct terms e.g. chrysalis, pupa when observing life cycle of butterfly & ladybirds • Express opinions on natural & built environments & opportunities to hear different points of view on the quality of the environment. Use words such as busy, quiet, pollution 	<ul style="list-style-type: none"> • All plants need water, light and warmth to grow and survive • A seed produces roots to allow water to get into the plant and shoots to produce leaves to collect the sunlight • Extend vocabulary: blossom, buds, bulb, evergreen, deciduous • Describe what they see, hear & feel whilst outside • Name & describe some plants • Draw pictures of plants • Understand the effect of changing seasons on the natural world around them 	<ul style="list-style-type: none"> • Shows some understanding that good practices with regard to exercise, eating, drinking water, sleeping & hygiene can contribute to good health • Describe what they see, hear & feel • Identify different parts of their body & animals • Be able to show care and concern for living things • Know the effects exercise has on their bodies • Have some understanding of growth and change • Talk about things they have observed including animals • Observational drawings of animals



St Gregory's Primary School Curriculum – Understanding the World – The world - Science overview

Chemistry & Physics ELG-

- 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

Focus	Materials
Nursery	<ul style="list-style-type: none">• Use all their senses in hands-on exploration of natural materials• Explore collections of materials with similar and/or different properties• Talk about what they see, using a wide vocabulary• Explore how things work e.g. pulleys• Explore & talk about different forces they can feel e.g. stretch, snap, rigid, magnetic repulsion, water pushing up when pushing a boat under it• Talk about the differences between materials and changes they notice e.g. cooking, melting, shadows, floating & sinking• Characteristics of liquids & solids e.g. cooking eggs, melting chocolate
Reception	<ul style="list-style-type: none">• Observe & interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object & a boat floating on water• Use vocabulary to name specific features of the natural world, both natural & man-made• Notice & discuss patterns around them e.g. the effect of seasons