

**Grasslot  
School**  
**Curriculum progression**

**Understanding the World / Science**

Year Group	Statutory Document	Supporting Materials	Objectives / Key Skills (INTENT)	Key supporting activities (IMPLEMENTATION)
Sunbeams	Early Years Foundation Stage Curriculum	Development Matters	Repeat actions that have an effect. Explore materials with different properties  *Links to Communication and Language	Explore materials and actions in the world around them (through continuous provision)
Nursery			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.  *Links to Communication and Language, PSED	Ourselves- labelling body parts and growth  Changes in weather  Labelling animals Caring for living things Ogdon trust – Phizzi Enquiry – Tea for a Tiger and Paper clip painting  Growing plants  Baking- changes in state (biscuits)  Visiting the beach
Reception			Describe what they see, hear and feel whilst outside. Recognise some environments that are different to the one in which they live. Understand the effect of changing seasons on the natural world around them.  <b>ELG</b> <b>Explore the natural world around them, making observations and drawing pictures of animals and plants</b> <b>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</b>  *Links to Communication and Language, PSED	<b>Autumn 1</b> - Understand the affects of changing season: Autumn Ogden Trust: Balloon Beards <b>Spring 1</b> - Explore the Natural World: Winter Ogden Trusts: Soggy cereals <b>Spring 2</b> - Explore the Natural World: Spring Growing plants <b>Summer 1</b> - Animal Adults and babies Explore the Natural World: Summer <b>Summer 2</b> - Ogden Trust – Bubble snakes
Year 1	National Curriculum 2014	Twinkl Units plans (dip in and adapt lessons as appropriate)	<b>Sc1/1 Working Scientifically</b> <b>Sc1/1.1 asking simple questions and recognising that they can be answered in different ways</b> Sc1/1.2 observing closely, using simple equipment Sc1/1.3 performing simple tests Sc1/1.4 identifying and classifying Sc1/1.5 using their observations and ideas to suggest answers to questions Sc1/1.6 gathering and recording data to help in answering questions. <b>Sc1/2.1 Plants</b> Sc1/2.1a identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Sc1/2.1b identify and describe the basic structure of a variety of common flowering plants, including trees <b>Sc1/2.2 Animals including humans</b> Sc1/2.2a identify and name a variety of common animals including, fish, amphibians, reptiles, birds and mammals Sc1/2.2b identify and name a variety of common animals that are carnivores, herbivores and omnivores Sc1/2.2c describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) Sc1/2.2d identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. <b>Sc1/3.1 Everyday materials</b> Sc1/3.1a distinguish between an object and the material from which it is made Sc1/3.1b identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Sc1/3.1c describe the simple physical properties of a variety of everyday materials Sc1/3.1d compare and group together a variety of everyday materials on the basis of their simple physical properties <b>Sc1/4.1 Seasonal Changes</b> Sc1/4.1a observe changes across the 4 seasons Sc1/4.1b observe and describe weather associated with the seasons and how day length varies.	Plants & trees-identifying and labelling. Matching leaves to trees.  Animals including humans- identifying, naming and grouping different animals.  Materials- Identifying, naming and grouping different materials.  Seasonal changes- including shadows, daily weather chart, seasonal walks.

Year 2		<p>Sc2/1.1 asking simple questions and recognising that they can be answered in different ways</p> <p>Sc2/1.2 observing closely, using simple equipment</p> <p>Sc2/1.3 performing simple tests</p> <p>Sc2/1.4 identifying and classifying</p> <p>Sc2/1.5 using their observations and ideas to suggest answers to questions</p> <p>Sc2/1.6 gathering and recording data to help in answering questions.</p> <p><b>Sc2/2.1 Living things and their habitats</b></p> <p>Sc2/2.1a explore and compare the differences between things that are living, dead, and things that have never been alive</p> <p>Sc2/2.1b identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</p> <p>Sc2/2.1c identify and name a variety of plants and animals in their habitats, including microhabitats</p> <p>Sc2/2.1d describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</p> <p><b>Sc2/2.2 Plants</b></p> <p>Sc2/2.2a observe and describe how seeds and bulbs grow into mature plants</p> <p>Sc2/2.2b find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p> <p><b>Sc2/2.3 Animals including humans</b></p> <p>Sc2/2.3a notice that animals, including humans, have offspring which grow into adults</p> <p>Sc2/2.3b find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</p> <p>Sc2/2.3c describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p> <p><b>Sc2/3.1 Uses of everyday materials</b></p> <p>Sc2/3.1a identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for different uses</p> <p>Sc2/3.1b compare how things move on different surfaces.</p> <p>Sc2/3.1c find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</p>	<p>Living things- basic needs, identifying things that are living, dead and never alive, looking at different habitats, food chains.</p> <p>Plants- observing and describing how seeds and bulbs grow including investigating the conditions required for growth.</p> <p>Animals including humans- Identifying body parts, describing the importance of basic needs for survival as well as exercise, hygiene and balanced diet.</p> <p>Materials- Identifying materials and their properties. Finding out how materials can be changed. Investigating the suitability of different materials for different purposes.</p>
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