



ELG – Understanding the world – Animals (including Humans)		To make observations of animals and explain why some things occur, and talk about changes	
Aut	Spr	Sum	
Nursery: Mirrors drawing of ourselves and families Name squirrels and hedgehogs and other woodland animals Farm trip	Nursery: Winter animals Life cycles of a chicken, observing life cycle of caterpillar	Nursery:	
Reception: Facts about squirrels and hedgehogs 5 activities to explore senses Keeping happy and healthy Healthy eating	Reception: Life cycle of a caterpillar/butterfly/frog	Reception:	
ELG – Understand the world – Plants		They make observations of plants and explain why some things occur, and talk about changes	
Nursery: Look at conkers, leaves, acorns, pinecones etc Talk about how leaves change colour.	Nursery: Observing spring flowers growing.	Nursery: Plant sunflowers	
Reception:	Reception: Where is the best place for a plant to grow (investigation) Label parts of the plants Using magnifiers to explore plants and seeds Plant seeds (vegetables – cress) Look after seeds – plant beans Cameras to record growth	Reception: Plant beans and bulbs	



ELG – Understand the world – Living things in their habitat		
They talk about the features of their own immediate environment and how environments might vary from one another		
Nursery: Woodland animals habitats Woodland small world	Nursery: Spring flowers Mini beast hunt	Nursery: Minibeast
Reception: Where do pumpkins grow	Reception: Arctic sceneries & arctic habitats	Reception: Space –fact finding Zoo/park trips
ELG – Understand the world – Seasonal Change		
To make observations of plants and explain why some things occur, and talk about changes		
Nursery: Autumn walk – observe leaves falling off trees, talk tray to explore crunching Appropriate clothing for winter.	Nursery: Leaves growing on trees. Appropriate clothing for winter.	Nursery: Need for sunscreen and hats etc
Reception: Padlet answer questions Tidy seed leaves drop Why do leaves fall	Reception: Signs of Spring What do we know about winter	Reception: Clothes for a trip, holiday or space
ELG – Understand the world – Materials		
Top know about similarities and differences in relation to places, objects, materials		
Nursery: Exploring materials in sand tray and water. Comparing conkers smooth and in spiky	Nursery: Exploring magnets – magnetic – non magnetic Observing numbers trapped in ice	Nursery: Nature hunts Explore floating and sinking Messy Play



husks. Bread stick sparklers, melting chocolate. Messy play.	Messy play	
Reception: Rainbow experiment- a mirror placed in a tank and a light shone in – can the children see a rainbow. Messy Play	Reception: Ice – animals keep warm because they have a layer of fat. Investigate with cooking fat. Ice – free the figures Drawing of natural materials Pancakes – changing state	Reception: Floating and sinking Unscrew old equipment How do space rockets work? Stomp rockets Recycling Messy play

Other areas of the science curriculum:

Space: (R) Sing songs, learn planet names, learn a fact about each planet, learn and watch astronauts in space

Forces and magnets-(R) magnets investigation station for exploring, sort objects that are magnetic and non magnetic, Stomp rocket experiment, explore the idea of gravity/no gravity in space. Mini pull and go car investigation station.

Light- in provision investigation station- different coloured lenses for glasses that can be mixed together, torches and mirrors..

Rainbow experiment. Talk about light and dark during the seasons. Festivals of "light" using kaleidoscopes Needing light for plants to grow. Why leaves are green, why leaves turn brown.

(N)- light box.