

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Humans Identify and explore their senses Talk about and name members of their family.	Electricity and Light and Sound Identify devices that use electricity and battery. Circuits – make a simple circuit, making a coloured light for Rudolph's nose. Shine light through different materials.	Materials Combining materials – gingerbread. Mixing ingredients – porridge. Freezing and melting ice.	Forces Push/pull – how can we make the push go further? Identify in the environment and photograph. Experimenting with different push/pull toys. Explore the outdoors and noticing forces within nature.	Plants and Animals Butterfly life cycles Comparing baby animals to adult Observing animal lifecycles. Planting seed. Naming some aspects of a plant.	Living things and their habitats. Exploring the natural environment. Exploring natural objects. Comparing urban environment to a jungle.
Maths links	With support children to record near and far sounds. With adult support children create a tally chart – can they recognise a food without tasting. With adult support record volume using different ears.	Tally for devices.	Time how long it takes for ice to melt. Photograph steps for each and children to sequence.	Classifying push/pull on a chart.	Pictorial record of lifecycle parts length. Measuring plants growth.	Measuring length of sticks. Order by length. Best for building.
Reception	Humans Describe their family How to look after ourselves.	Forces Moving in water. Pinwheels – how can we make it faster? Balloon rockets. Push/pull how can we propel a car faster?	Materials Sort and compare man-made and natural materials. Building houses using straw, sticks and bricks. Waterproof, not waterproof, sturdy, weak, transparent, opaque. Melting chocolate for the pigs to eat and set.	Earth and Space Astro girl – planetarium visit. Identifying moon, Sun, stars and planets. Can they support life? Exploring traveling via rockets. Sun photographs.	Animals Name and describing animals. Duck lifecycle. Identifying mini-beasts and their habitats. Sorting mini-beasts by properties and sets. Soanes centre – mini-beast safari and pond dipping. Pre-historic animals - dinosaurs	Living things and their habitats. Comparing contrasting environments – urban environment to an arctic environment and a tropical beach.

Maths links	How many brushes to remove plaque (disclosing tablets). Comparing heights, show size.	Measuring the distance a boat shape moves depending on size of fairy liquid blob. How fast does it move? Comparing capacity of balloons. Measuring distance.	Comparing and sorting materials. Chart properties. Photograph chocolate melting and sequence. Time how long chocolate takes to melt and if amount changes the outcome.	Does the shape of the rocket matter? How far will it travel? Comparing planet sizes.	Tally chart of where animals are found. Pictorial record of duck lifecycle parts length. Sorting.	Habitat characteristics chart. Patterns with shells. Which shape is best for igloo block?
Seasonal changes Light and sound						
Reception Throughout the year	Adopt a tree a tree. Leaf rubbings. Colour matching swatch. Draw tree Music and instruments. Appropriate clothing.	Draw tree Collect fruit and nuts from trees. Exploring shadows – recording at the same time of day each time. Music and instruments.	Draw tree Looking at new buds. Opening horse chest nuts – looking at leaves, nut, scales and flowers. Exploring rainbows and the process. Music and instruments. Appropriate clothing.	Draw tree Exploring shadows – recording at the same time of day each time. Music and instruments.	Draw tree Music and instruments. Appropriate clothing.	Draw tree Exploring shadows – recording at the same time of day each time. Exploring rainbows and the process, creating our own rainbows outdoors. Music and instruments.
Maths links	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, and many.	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, many Compare shadow lengths.	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, and many.	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, and many. Compare shadow lengths.	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, and many.	Measure the trunk. Chart does it have leaves or not. Estimating how many leaves – all, some, and many. Compare shadow lengths.