

Nursery

Summary	Autumn	Spring	Summer
Prior knowledge	Possible prior knowledge would be exploring natural materials in their immediate environment both inside and outside.		
New learning	<ul style="list-style-type: none"> Children will talk about the natural world around them through nature walks. Talk about any changes that they see such as leaves falling from trees, ice etc. Children will learn what a 'force' is and begin to explore the forces made by a 'rocket'. 	<ul style="list-style-type: none"> Children will continue to explore the world around them through nature walks, looking closely at the changing seasons and using an increased level of vocabulary to describe what they can see. Children will plant beans for Jack and the beanstalk and watch carefully as they grow. 	<ul style="list-style-type: none"> The children will learn and understand about the life cycle of a caterpillar through their own first-hand experience in class. Children will learn about how things work using mechanical cars and trains etc.
Incidental learning	<ul style="list-style-type: none"> States of matter : melting chocolate through baking, ice investigations Life cycle, caterpillars Space- earth, stars, moon, plant beans 		
Key Vocabulary	Cold, ice, frost, warm, push, pull, float, sink, melt.	Seed, plant, grow, spring, water, soil, winter, spring, sunlight.	Cycle, change, push, caterpillar, butterfly.
Core (sticky) knowledge	<ul style="list-style-type: none"> Children will know if it is warm or cold. Children will notice the change of their natural environment at different times of the year. Forces- push and pull, upthrust and gravity, floating and sinking 	<ul style="list-style-type: none"> Children will notice changes between winter and spring through their natural environment. Children will know how to plant a bean, grow and they will notice the change. 	<ul style="list-style-type: none"> Children will know a caterpillar changes into a butterfly. Children will know that pushing something causes movement.
Cultural capital	Experiences: Nature walks,	Experiences: Nature walks, planting beans.	Experiences- Life cycle of a caterpillar
Future links	<ul style="list-style-type: none"> Reception- Understand the effects that the seasons have on the world. 	<ul style="list-style-type: none"> Reception- Children will recall the seasonal changes from Autumn and Winter and further discuss how spring differs from these. Explore natural materials and test which would be suitable materials e.g. to make a house for the Three Pigs. Children will create observational drawings of plants which they may come across in a woods/ garden. 	<ul style="list-style-type: none"> Reception- Children will be able to describe what they see, hear and feel outside and make links with the seasons. Know the effects and changes that happen with each season.

Reception			
Summary/ Overview	Autumn	Spring	Summer
Prior knowledge	<ul style="list-style-type: none"> Nursery- Children will talk about the natural world around them through nature walks. Talk about any changes that they see such as leaves falling from trees, ice etc. 	<ul style="list-style-type: none"> Nursery- Children will continue to explore the world around them through nature walks, looking closely at the changing seasons and using an increased level of vocabulary to describe what they can see. 	Nursery- Autumn/Spring.
New learning	<ul style="list-style-type: none"> Know that there are 4 seasons Understand the effects that the seasons have on the world. 	<ul style="list-style-type: none"> Children will recall the seasonal changes from Autumn and Winter and further discuss how spring differs from these. Explore natural materials and test which would be suitable materials e.g. to make a house for the Three Pigs. Children will create observational drawings of plants which they may come across in a woods/ garden. 	<ul style="list-style-type: none"> Children will be able to describe what they see, hear and feel outside and make links with the seasons. Know the effects and changes that happen with each season.
Incidental learning	States of matter e.g. dissolving (jelly), Ice investigations- melting life cycle, chicks for hatching. Space (planets, stars, moon), dark/light Forces- magnets, floating and sinking Landmarks.		
Key Vocabulary	Seasons, Autumn. Weather, rain, snow, wind, sun, fog, ice, frost Cold, freezing, warm, hot. Change, leaves.	Observe, plant, stem, flower. Shape and properties of shapes (curved petal, pointy petals), size, colour. Camouflage, predator, nocturnal, diurnal.	Spring Summer, Autumn, Winter.
(sticky) knowledge	<ul style="list-style-type: none"> Children will know that weather changes. Trees change with seasons. Clothing changes 	<ul style="list-style-type: none"> Child will be able to talk about some of the changes in seasons: Leaves fall from trees Leaves change colours Plants start to grow Children will be able to name some animals which live in different habitats e.g. garden/ farm/ jungle. Children will be able to name the basic parts of a flower e.g. stem/ petal. Children will be able to draw flowers which they find in a woods/ garden e.g. dandelion 	<ul style="list-style-type: none"> Children will know that there are changing seasons. Children will know some of the changes that happen in each season. Children will have named the four seasons.
Cultural capital	Trips- Pumpkin farm Experiences-Nature Walk	Books- The Tiny seed- Eric Carle Experiences- Eggs for hatching	Books- Trips-
Future links	Year- One Autumn One	Y1- Autumn One Y2- What do seeds/bulbs/ plants need to thrive? Y3- functions of parts, water/ seed transport. Y4 – grouping living things inc, plants	

