

Year 1 Science

Topic	Curriculum information	Forest School link
Seasonal Changes	<p>Observe changes across the four seasons.</p> <p>Observe and describe weather associated with the seasons and how day length varies.</p>	<p>Children are outside in all seasons so learn about the changes. Longest day is mid-Summer (16hrs) and get shorter mid-Winter (8hrs) (darker later/earlier etc.). Colder/rainier in winter. Hotter/dryer in summer. The seasons and weather also changes the numbers of minibeasts outside, seed/plant growth, leaves on trees and what we wear during these seasons - warm clothes, hats, scarves, gloves. Cool clothes summer hat, put sun cream on, drink more etc.</p>
Animals, including humans	<p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>	<p>Children learn about different woodland animals what they eat and where they live. How many legs birds and animals have, their sight, wings, tails, ears etc. Skin coverings i.e. scales, feathers, hair - These are all key features that we use to identify them.</p> <p>Children also learn about what animals eat i.e. other animals', plants or animals and plants. Herbivores (eats plants), carnivores (meat) or Omnivores (plants and meat)</p> <p>Not applicable to Forest School.</p>
Materials	<p>Distinguish between an object and the material from which it is made.</p> <p>Identify and name a variety of everyday materials including wood, plastic, glass, metal, water, and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p> <p>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>	<p>Children explore natural materials in Forest schools' mud, grass, stones, bark, wood etc. We also have metal pans/trays and wooden spoons - properties of these i.e. shiny, rough, stretchy, etc. (year 2 - the material can be changed by bending, squashing and twisting. For example mud can be shaped by squashing, twisting, pressing and rolling depending on the thickness of the material.)</p> <p>Children may group materials/different objects when collecting natural objects they find in Forest School – by size, colour, shape etc.</p>
Plants	<p>Identify and name a variety of common wild and garden plants, including deciduous and evergreen tree.</p>	<p>We talk about what trees and plants need in order to grow - Sun, Light, Water, soil etc.</p>

	Identify and describe the basic structure of a variety of common flowering plants, including trees.	Children plant seeds etc. and see the growth of trees, plants, flowers etc. Children talk about the characteristics of plants and can name some of them – leaf, stem, flower, bud, berry etc. Children learn some trees keep their leaves (evergreen) and others drop them and then regrow them (deciduous).
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Vocabulary:

Animals Including Humans: head, body, skeleton, limb, joint, brain, eyelash, eye, sight, pupil, sound, ear, sign language, vibration, deafness, tongue, mouth, taste, flavour, sweet, touch, fingertips, skin, organ, brain, smell, odour, nose, nostril, nose hair, fish, amphibian, reptile, mammal, bird, feather, warm-blooded, characteristic, backbone, hatchling, amphibian, reptile, gills, scale, cold-blooded, herbivore, carnivore, omnivore, predator, canines, pet, wild, shelter, veterinary, natural, similarities, differences, compare, unsuitable, climate,

Plants: seed, plant, tree, soil, predict, stem, petal, leaf, root, flower, environment, weed, daisy, dandelion, wild, deciduous, evergreen, seasons, branch, bush, supermarket, fruit, vegetable, farm, tractor, growth, seedling, young plant, adult plant and observe.

Seasonal changes: season, spring, summer, autumn, winter, autumn, hibernate, weather, protect, harvest, winter, weather, frost, sleet, temperature, spring, compare, changes, grow, chick, summer, warm, sun protection, temperature, heatwave, rainfall, measuring, record, results and graph.

Materials: material, fabric, wood, plastic, metal, object, glass, property, brick, elastic, property, opaque, transparent, dull, stiff, natural, man made, factory, rubber, polyester, predict, float, sink, submerge, buoyant, absorbent, sponge, waterproof, umbrella, soak, solid, strong, brick, clay, wind, waterproof, absorbent, non-absorbent, roof, slate, transparent, opaque, suitable, window pane, window frame, fabric, furniture, cotton, mattress, soft, wool, weather, jumper, suitable, waterproof, evaluate, material, properties, tile and garden.

