



Subject Area: SCIENCE - Curriculum Map

EYFS objectives which lay the foundations for the Science in the National Curriculum

Show curiosity and ask questions
 Make observations using their senses and simple equipment.
 Make direct comparisons.
 Identify sort and group.
 Record observations by drawing, photographs, using sorting rings or simple tick sheets.
 Talk about what they have done and found out.
 Use their observations to help them answer their questions.
 Be able to name the main parts of their bodies.
 Know that they must look after their bodies by keeping clean, exercising, eating healthy foods and resting.
 Understand how to keep warm outside on a cold day
 Know what germs are and how to avoid spreading them
 Understand why movement & exercise is important.
 Understand why sleep is so important for good health
 Be able to sort foods into “healthy” and “not healthy”.
 Know that sweet, sugary foods can cause tooth decay.
 Understand the importance of regular tooth brushing
 Understand that pets need a lot of care and attention to grow healthy.
 Be able to describe a range of familiar plants, including flowering and non-flowering species, naming and describing some simple features of these.
 To understand what plants need in order to grow and flourish.

Children can name and describe a range of living and non-living things.
 Be able to name and compare a range of different animals from different habitats eg. farm, rainforest, pond
 Be able to sort and categorise animals in different ways.
 Be able to observe and describe an earthworm’s appearance and behaviour
 Understand the term camouflage.
 Be able to talk about how some familiar animals use their patterns to help them to hide.
 Be able to name a range of different animals, matching the young to the adult.
 Understand the term “material”.
 Be able to identify common materials such as wood, plastic, fabric, metal, glass.
 Know that homes can be made from different materials.
 Know that magnets attract some metals.
 Be able to name some materials that melt.
 Be able to make observations and describe what happens during the melting process.
 Be able to give reasons why a particular hat is suitable for a particular type of weather, based on the observable simple properties of the material from which it is made.

Use comparative and descriptive language to talk about what they notice when they mix two or more materials together
 Know that a force (push, pull or twist) is needed to make an object move.
 Be able to sort toys according to whether a push, pull or twist force is needed to move it.
 Make predictions about whether a range of objects will float or sink.
 Be able to talk about objects that float or sink referring to the size, shape or weight of these objects.
 Be able to use appropriate language to talk about what happens at night, including dark, light, the Sun, the Moon and stars
 Be able to describe how the natural world changes as the seasons change
 Be able to observe and describe different weather conditions
 Learn basic gardening skills such as clearing dead plants, planting bulbs, collecting seeds, weeding and watering.
 To identify and compare the parts of a plant we can eat.
 Know that there are some plants that are not safe to eat
 Know that growing your own food to eat is good for your diet and well-being

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
AUTUMN	Seasonal Changes Human Body and Changes	Local Habitats Choosing Materials	Rocks, Soil and Fossils Light and Shadows	Changes of State Electricity: Circuits	Forces and Mechanisms Properties and uses of materials	Classification of Living Things Evolution and Inheritance
SPRING	Naming and describing materials Properties and uses of materials	Growing seeds and bulbs Growing up (animals and humans)	Forces, Friction and Magnets Movement and Nutrition for the Human Body	Human Impact on the Environment Digestion and Food Chains	Earth and Space Plant and Animal Life Cycles	What Light Does Electricity: Changing Circuits
SUMMER	Animals (vertebrates) Identifying plants and their parts	Changing materials Growing Healthy Plants	Flowering Plants and Plant Growth Flowering Plants Life Cycle	Sound Classification of Plants and Animals	Separating Mixtures and Changing Materials Human Growth	Human Circulation Body Health

