



Science Curriculum Map – 2022 / 2023

	AUTUMN TERM		SPRING TERM		SUMMER TERM	
Nursery	Talk about own experience of the natural world.	Observe and talk about changes to different materials / objects, e.g. frost melting	Explore collections of materials with similar or different properties. Explore how things work.	Plant seeds and care for growing plants. Begin to understand the need to respect and care for the natural environment	Continue to observe and talk about the natural environment, building a wider vocabulary	Explore and talk about pushes, pulls, twists and stretches, changing and moving materials
Reception	Floating and sinking Which materials make good boats.	Animals that live in cold places Comparing Liverpool with cold places			Animals and plants in hot places	How does our environment change in summer?
YEAR 1	Comparing Materials Describe simple physical properties, compare and group	Seasonal Change (in more depth) How will we observe and describe the weather? What happens to the amount of daylight?	Animals Identify and name a variety of common animals, including fish, birds, mammals, reptiles and amphibians.	Animals including humans Parts of animals / the human body. The five senses.	Everyday materials Identifying common materials. Performing simple tests on different materials	Plants Identify and name a variety of common wild and garden plants and trees. The structure of a simple flowering plant.
Year 1	Seasonal Change Observing how weather and daylight change throughout the year.					

YEAR 2	Animals including Humans Humans have offspring which grow into adults	Living things and their habitats Identify and name a variety of animals and plants in their habitats, including micro-habitats.	Materials Everyday materials and the jobs they are used for. Compare suitability of materials	Changing materials How can solid objects be changed by squashing, bending, twisting and stretching	Growing plants Plants need water, light and a suitable temperature to grow healthily.	Feeding and exercise The basic needs of humans and other animals for survival
YEAR 3	Forces Movement on different surfaces Magnets Which materials are attracted? How do they interact?	Light Light is needed to see. Light sources. How shadows are formed. Best materials for making shadows.	Rocks Describe simple physical properties and group rocks. Fossil formation. Soil formation.	Growing and Moving The role of the skeleton. Healthy eating for humans and other animals.	Parts of plants Roles of different plant parts. Life cycle of a flowering plant. Different methods of seed dispersal	What plants need Changing growing conditions and seeing how this affects growth.
YEAR 4	Animals including Humans Parts of the body. The digestive system	States of matter Solids, liquids and gases- links with ice	Sound Making and changing sounds, vibrations, pitch and volume.	Living things and their habitats Environments can change, and this can pose dangers to living things		Electricity Mains and batteries. Simple electrical circuits. Links to D&T
YEAR 5	Earth and Space Size, spacing and movement in our solar system	Separating Mixtures Sieving, filtering, evaporating, condensing.	Properties and changes of materials Sorting and grouping, dissolving and heating	Forces Air resistance slowing movement, parachutes	Types of change Reversible and irreversible changes	Living things and their habitats- life cycles
Year 6	Light and Sight How light travels. Shadow formation. Reflective clothes	Classifying Living Things Major classification kingdoms, sorting micro-organisms, plants and animals	Evolution and Inheritance Adaptation and genetics	Our Bodies The circulatory system	Changing circuits Working with circuit components	Raising Science Capital Celebrating our science experiences

