

Science Curriculum Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	The body / healthy lifestyles Naming body parts, personal hygiene.	Animals- Nocturnal animals & hibernation. Into Space – name the moon and sun Seasonal changes	Journeys and where I live. Forces- Pushes and pulls and how to make vehicles move.	Materials and their properties. Sorting materials (eg. Wood, stone, metal)	Life cycles and habitats Life cycle of a butterfly. Animals that hatch. Egg experiment- (revisit forces and revisit materials)	
Reception	The body / healthy lifestyles To know that there are different parts of our body (internal and external) To know that some foods keep us healthy and we can do different things to keep us healthy such as exercise and wash hands. Seasonal changes	Seasonal changes Decaying plants, Nocturnal animals & hibernation To know that there are four seasons and describe the main changes and learning about the change in temperature and weather. Naming planet Earth and other planets in the solar system. Learn about hot and cold planets and the sun as a source of light.	Journeys and where I live.- Learn that cars impact our environment. Recycling Centre What happens to our rubbish and where is our nearest recycling centre? Pollution caused by vehicles. Seasonal changes	Beyond my street Materials and their properties. Sort and classify materials (Castles, The Three Little Pigs) Seasonal changes	Seasonal changes Revisit seasonal changes and describe the main changes in temperature and weather. What a plant needs to grow / naming plant parts Habitats Seasonal changes	Sea pollution. Melting and Freezing: materials and states of matter (ice, melting) Seasonal changes
Year 1	The Human Body Naming parts of the body, the five senses and associated body parts, understanding sensory impairment	Animals and their Needs Living things, naming animals, grouping animals, describing animals, how plants and animals obtain food, offspring, caring for animal babies, caring for pets.	Seasons and Weather The four seasons, tools to record the weather, daily weather and weather forecasts, weather symbols, weather around the world, floods and hurricanes.	Taking Care of the Earth The Earth's natural resources, conservation of natural resources, logging, recycling, how pollution is caused and can be prevented.	Plants What plants need to grow, the parts and functions of plants, food production, flowers and seeds, deciduous and evergreen, farming, crops, pesticides, harvest, from field to supermarket.	Materials and Magnets Classification of materials, magnets, magnetic attraction.
Year 2	The Human Body The skeletal and muscular systems, exercise, digestive system and healthy eating, circulatory system, preventing illness, germs and disease, animals and their offspring.	Living Things in their Environments Habitats: rainforest, desert, meadow and underground habitats. Food chains, oceans and undersea habitats, deep ocean habitats and habitat destruction and damage.	Electricity Circuits, conductive and non-conductive materials, safety rules	Plants Seeds and bulbs, plants and water, light, temperature, healthy plants	Materials and Matter Comparing materials, changing materials, concepts of atoms, matter, solids, liquids, gases, measurements.	Astronomy Our solar system, orbit and rotation, sun, moon, planets, stars, constellations.

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Year 3	The Human Body The digestive system, teeth and senses, a healthy diet, nutrition, vitamins and minerals, skeletons and muscles for support, protection and movement.	Cycles in Nature Seasonal cycles and plants, animal migration. Life cycles of a plant and a frog.	Light The speed of light, shadows, transparent and opaque objects, reflection, mirrors: plane, concave, convex, the human eye.	Plants Functions of plants: roots, stem/trunk, leaves and flowers, Life and growth, variety of plants, water transportation, seed formation and dispersal	Rocks Sorting rocks, how rocks are formed, hardness and permeability, fossils, soil.	Forces and Magnets Forces, friction, magnets, magnetic poles, magnetic fields, law of magnetic attraction, compasses.
Year 4	The Human Body The muscular system, the skeletal system, the nervous system, the digestive system, teeth.	Classification of Plants and Animals Cold-blooded or warm-blooded, vertebrates or invertebrates, characteristics of animal classes, classification of plants.	Ecology Habitats, interdependence of organisms and their environment, producers, consumers and decomposers, food webs, producers, predators and prey, fossils, man-made threats to the environment.	Sound How sound is created, how sound travels, sound waves, speed of sound, pitch, intensity, the human voice, hearing, the human ear.	States of Matter and the Water Cycle Change of state, evaporation, condensation, precipitation, humidity, groundwater.	Electricity Electric current, series and parallel circuits, switches, closed circuit, open circuit, short circuit, conductors and insulators.
Year 5	The Human Body The circulatory system, the heart, the blood vessels, the blood, blood pressure and heart rate, changes to humans as we get older	Materials Properties- solubility, conductivity, flexibility etc, fair testing, solubility, separation of mixtures, reversible changes- dissolving, mixing, change of state.	Living Things Life cycles of a mammal, an amphibian, an insect and a bird, life process of reproduction in some plants and animals, Photosynthesis, vascular and non-vascular plants	Forces Gravity, friction, air resistance, water resistance, pulleys, gears and levers.	Astronomy The Big Bang theory, gravity, the Universe, our Solar System, the moon and our galactic neighbourhood.	Meteorology Weather and climate, the atmosphere, the Ozone layer, air movement and wind direction, cold and warm fronts, thunder and lightning.
Year 6	Classification of Living Things Classifying organisms, plant and animal cells, fungi, protists, monera, taxonomy, Latin names, vertebrates.	Electricity Brightness, buzzers, voltage, switches, simple circuits and symbols	Light How light travels, Our eyes, light sources, shadows	Evolution Fossils, adaptation, characteristics passing through generations, Mary Anning, Alfred Wallace, Charles Darwin, Darwin's sketches of finches.	Reproduction Asexual reproduction, sexual reproduction in non-flowering and flowering plants, pollination, fertilisation, reproduction in animals, growth stages.	

Key: **Biology**, **Chemistry**, **Physics**

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