



Science Curriculum Map 2022-23

	AUTUMN		SPRING		SUMMER	
EYFS Development Matters	<ul style="list-style-type: none">Explore the natural world around them.Describe what they see, hear and feel whilst outside.Recognise some environments that are different from the one in which they live.Understand the effect of changing seasons on the natural world around them.					
YEAR 1	Changing Seasons Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.	Parts of Animals Describe & compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals, including pets) Identify, name, draw and label basic parts of the human body & say which part of body is associated with a sense.	Types of Animals Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	Comparing Materials Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties.	Identifying Materials Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.	Plants Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees.
YEAR 2	Habitats Identify living things that live in habitats to which they are suited and describe how different habitats provide for the basic animal and plant needs. Identify and name a variety of plants and animals in their habitats, incl. micro-habitats.	Use of Materials Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	Changing Shape Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Growing Plants Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Living Things Explore and compare the differences between things that are living, dead, and things that have never been alive Notice that animals, including humans, have offspring which grow into adults.	Feeding and Exercise Describe how animals obtain their food from plants & other animals, simple food chain, & food sources. Describe basic needs of animals/humans, for survival. Describe importance of exercise, eating the right amounts of different types of food, hygiene.
YEAR 3	Plants Parts of plants, needs of plants and their life cycle	Rocks Comparing different rocks, fossils, soil formation	Light Light sources, how light is reflected off objects, how shadows form, changing shadows, eye protection	Animals including Humans Nutrition, Musculoskeletal system for support, movement and protection	Forces and Magnets Non-contact forces, attraction and repulsion of magnets, magnetic materials, N/S poles of magnets	Bee Project A look at the relationship between bees and their environment; importance in pollution, food and other resource.
YEAR 4	States of Matter/Solids, Liquids & Gases Group materials based on their properties, changes of state, heating and cooling, the water cycle	Animals including humans Eating, teeth, digestive system and food chains, producers, predators and prey.	Sound Making sounds, vibrations, the ear, changes in pitch and volume	Living Things and their Habitats Classifications, characteristics, and the effects of environmental changes.	Electricity Appliances, building circuits and identifying components, circuit diagnostics, conductors and insulators	The History of Science The development of scientific theories by a diverse range of scientists and inventors, both historical and contemporary.
YEAR 5	Properties and Changes of Materials Classifying materials, dissolving, separating, and changes of state, uses of materials, reversible and irreversible changes.	Animals including Humans Life cycles, plant and animal reproductions, human life cycle	Forces Moving surfaces, multiplying forces, using levers, pulleys and gears	Living Things and their Habitats Classifying living things, life cycles of mammals, amphibians, insects and birds	Earth and Space The movement of Earth, other planets and the Moon in relation to the Sun and each other, spherical bodies, night and day	Haringey Science Project TBC
YEAR 6	Classifying Living Things Describe how living things are classified into broad groups according to characteristics including plants, animals and micro-organisms.	Evolution and Inheritance Recognise that living things change over time and explore the importance of fossils. Explore offspring and how they vary, and plant and animal adaptation leading to evolution.	Changing Circuits Use simple circuits, diagrams and symbols. Explore lamp brightness and buzzer volume related to number and voltage of cells. Compare component variations including position of switches.	Light and Sight Explain how we see things from light sources and reflected light. Recognise that light travels in straight lines and explain why shadows take the shape of objects that cast them.	Our Bodies Identify and name parts of the circulatory system, function on the heart and blood/vessels. Describe how nutrients and water are transported within animals/humans. Recognise the impact of diet, exercise, drugs and lifestyle on the way the body functions.	

Working scientifically runs through every unit