

SUBJECT OVERVIEW – SCIENCE

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Animals including humans Human anatomy Human senses Seasonal weather - Autumn	Animals including humans Variety in animal structures Describe and compare animal structures Identify and name common animal types Animal diets Visit to NH Museum	Everyday Materials Objects & what they are made of Properties & identification of materials Sorting of materials by physical properties Seasonal weather & measurement with a wind sock - Winter	Everyday Materials Distinction between objects what they are made of Properties of materials - fabrics Sorting of fabrics by functional properties Seasonal weather & measurement with a rain gauge-Spring	Plants Name the common plant parts Plant varieties Plant classification Wild versus garden plants <i>Deciduous vs evergreen trees</i> <i>Name of tree parts</i> <i>Tree varieties</i> Seasonal weather & change- Summer	Plants
Year 2	Animals including humans Animal offspring Basic survival needs Nutrition and exercise Hygiene	Everyday Materials – Uses Identify and compare materials How the shape of solid materials can be changed	Living Things – Food Chains Observe and research simple food chain Living, dead never alive	Living Things – Habitats Habitats Interdependence of habitats Study different habitats	Animals Including Humans KEEP FREE FOR SATS	Summer 2 Plants Observe and describe how seeds and bulbs grow into plants Plant growth needs – water , light, temperature
Year 3	Forces and Magnets Pushes and pulls Contact v non contact forces Texture and friction Magnets and poles Attracting and repelling	Rocks and Soil Types of rocks & how they are formed Properties of rocks How soil is formed Fossil formation Different soil properties	Animals including Humans Food classification Food labels for nutritional content Secondary sources of information	Skeletons and Movement Vertebrates, invertebrates, skeletons and endo-skeletons Purpose of skeletons and their size	Plants Plant parts and their function. Photosynthesis in leaves Pollination	Light Light and sight Light v darkness Reflection, light & sight Sunlight danger

			Planning a balanced diet Animal nutrition	How muscles work	Requirements for germination & growth	Shadows, light, length, sun position and straight lines
Year 4	Animals including humans Teeth types and hygiene Eating, chewing and digestion Producers, predators and Prey	Sound How sound is made Vibration & the ear Light & sound / reflection & absorption Volume and size of vibration Pitch of sound and size of source	Electricity Things powered by electricity Danger of electricity Circuit construction Insulators & conductors Lighting a lamp in a circuit Switches and how to make them	Living Things & their Habitats How to classify living things Classification keys Development of suitable habitats How habitats change	States of Matter Solid Liquid Gas Classification of materials using this criteria How states can be changed e.g. melting	FREE for Y4 production and residential