

Year	Autumn	Spring	Summer
Rec	Similarities and Differences between themselves and others.	Explain similarities and differences in relation to places. Changing states of matter - ice Know the difference between man-made vs. natural	Knows the properties of some materials and can suggest some of the purposes they are used for. (Plan, design and make a boat).
Year 1	<u>Animals including humans</u> Identify animals Identify, draw and label parts of the body senses <u>Everyday materials</u> Identify group and sort everyday materials based on properties	<u>Animals including Humans</u> Identify and name common animals form 5 classification groups Herbivores and carnivores Describe structure of animals	<u>Seasonal Change</u> 4 seasons Name seasons Observe and describe weather using appropriate vocabulary, Describe varying lengths of day <u>Plants</u> Identification and naming a variety of plants Identify parts of a plant Describe basic structure of plants
Year 2	<u>Uses of everyday materials</u> Identification Comparison Suitability <u>Changing Shape</u> solids shapes squashing, bending, twisting and stretching	<u>Animals including humans</u> <u>Living Things</u> Compare contrast living and not living Animals including humans have offspring Child to adult <u>Plants</u> <u>Growing plants</u> Observe and describe how a plant grows – seed to plant What healthy plants need to grow	<u>Living Things and their Habitats</u> Identify that most plants and animals live in habitats and rely on each other Identify and name plants and animals in their habitats <u>Animals including Humans</u> Feeding and exercise – simple food chains Basic needs for life, human exercise
Year 3	<u>Rocks and soils</u> Compare and group according to properties Describe fossil formation Recognise that soils are made from rocks. <u>Forces</u> Explore movement on different surfaces Magnetism Attract and repel Magnetic and non magnetic materials	<u>Animals Including Humans</u> Movement and feeding Skeletons Nutrition <u>Plants</u> What plants need Explore plant requirements. How this can vary from plant to plant	<u>Plants</u> Parts of plants Describe the functions of different parts of flowering plants: roots, stem/ trunk, Transportation of water,Life cycles <u>Light and Shadow</u> Light sources Reflected light Light is needed to see How to protect from the sun Light creates shadows
Year 4	<u>States of matter</u> Solids, liquid and gases Compare and group materials Changing state – heating and cooling Water cycle, evaporation and condensation Temperature <u>Living things</u> Grouping living things Classification Using Keys, Habitats	<u>Electricity</u> Electrical appliances Construct simple circuits Identify possible faults in circuits Know how a switch works conductors and insulators <u>Sound</u> Relationship between vibration and sound Journey of sound Pitch, volume	<u>Living Things</u> Dangers to living things Construct food chains, producers, consumers, predators and prey <u>Animals Including Humans</u> Human nutrition Basic function of digestive system Teeth and simple functions
Year 5	<u>Materials – changes of state</u> Solids, liquids and gases, Dissolving Separating mixtures Filtering, sieving etc Reversible/ irreversible change Heating, melting, burning <u>Forces</u> Gravity Air resistance Water resistance Friction Mechanisms and pulleys	<u>Properties of materials</u> Solubility, transparency, electrical/thermal conductors Everyday uses of materials <u>Animals including humans and living things in their habitats</u> Life cycles Reproduction plants and animals Changes in humans birth to old age	<u>Light</u> Light and sight Light travels Journey of light and the process of sight <u>Earth and Space</u> Earth movements Solar system Moon movements Night and day

Year 6	<u>Living things</u> Classifying living things According to common observable characteristics, microorganisms	<u>Animals including humans</u> adaptation ,evolution	<u>Animals Including Humans</u> Our bodies Circulatory system Function of heart/ blood vessels, blood Diet and exercise Transportation of nutrients
	<u>Electricity</u> Changing circuits Associate brightness of a lamp/ volume of a buzzer with voltage Recognise and use electrical symbols for components Different circuits		