Year 1	Year 2	Year 3
Plants • Name common wild and garden plants, including deciduous and evergreen trees • Basic structure of a variety of common flowering plants, including tree (Y5) **Animals, including humans** • Name common animals including fish, amphibians, reptiles, birds and mammals (Y4) • Name common animals that are carnivores, herbivores and omnivores (Y4) • Structure of common animals (Y4) • identify, name, draw and label the basic parts of the human body and senses (Y3) **Everyday materials (Y2, Y5)** • Distinguish between an object and the material from which it is made • Name a variety of everyday materials (Y2) • Physical properties of everyday materials (Y2, Y5) **Seasonal changes** • Observe changes across the 4 seasons and associated weather • How day length varies	**Animals including humans** Identifying vertebrates and invertebrates. (Y4) • Animal offspring and their growth to adults.(Y5) • Importance of exercise, different types of food (Y3, Y6) **Living things and their habitats** • Habitats – identify suitable habitats for living things and why • Name plants and animals and their habitats, including microhabitats • Identify things that are living, dead, never been alive • Simple food chains (Y4) **Plants** • How seeds and bulbs grow into mature plants. (Y3) • Plants need water, light and a suitable temperature to grow (Y3) **Materials (Y1, Y5)** • Suitability of a variety of materials for particular uses (Y1, Y5) • How the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	**Plants** • Functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers • Requirements of plants for life and growth and how they vary from plant to plant (Y2) • How water is transported within plants (Y6) • Life cycle of flowering plants, including pollination, seed formation and seed dispersal (Y5) **Animals, including humans** • Animals, including humans, need the right types and amount of nutrition (Y6) • Humans/animals have skeletons and muscles for support, protection and movement **Rocks** • Different rock types and their simple physical properties • Simple terms - how fossils are formed (Y6) • Soils are made from rocks and organic matter **Light (Y6)** • Need light in order to see things and that dark is the absence of light • Light is reflected from surfaces • Light from the sun can be dangerous and that there are ways to protect their eyes • How shadows are formed and patterns of shadows changing **Forces and magnets** • Movement on different surfaces (Y5) • Magnetic forces, magnets attract or repel each other • Materials attracted to a magnet, and identify some magnetic materials • Describe magnets as having 2 poles

Year 4	Year 5	Year 6
Living things and their habitats • Group living things in a variety of ways • Use classification keys to help group, identify and name a variety of living things • Environmental changes - dangers to living things **Animals, including humans** • Digestive system in humans • Teeth types and functions in humans • Food chains: producers, predators, prey (Y2) **States of matter** • Group materials: solids, liquids or gases • Materials change state - heated or cooled, and measure or research temperature • Evaporation and condensation in the water cycle **Sound** • Sounds are vibrations and travel through a medium to the ear • Pitch and volume – patterns **Electricity (Y6)** • Construct simple series circuit, identifying: cells, wires, bulbs, switches and buzzers • Complete/incomplete circuits – will lamp light? • Function of switches • Common conductors and insulators	**Living things and their habitats** • Life cycles of mammal, amphibian, insect, bird • Life process of reproduction in plants and animals **Animals, including humans** • Changes as humans develop to old age (Y2) **Properties and changes of materials (Y1, Y2, Y4)** • Group materials based on properties: hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets • Materials dissolve in liquid to form a solution, and describe how to recover a substance from a solution • Separating mixtures: filtering, sieving and evaporating • Uses of everyday materials: metals, wood and plastic • Dissolving, mixing and changes of state - reversible changes • Irreversible changes – burning - action of acid on bicarbonate of soda **Earth and space** • Movement of the Earth and other planets relative to the sun • Movement of the moon relative to the Earth • Earth's rotation - day and night and the apparent movement of the sun across the sky (Y1, Y3) **Forces** • Gravity • Air and water resistance and friction • Mechanisms - levers, pulleys and gears	**Living things and their habitat** • Classifying living things - micro-organisms, plants and animals (Y4) **Animals including humans** • Human circulatory system, and describe the functions of the heart, blood vessels • Impact of diet, exercise, drugs and lifestyle on the way their bodies function (Y3) • Transportation of nutrients and water in animals, including humans (Y3) **Evolution and inheritance** • Fossils provide information about living things (Y3) • Living things produce offspring of the same kind • Animals and plants are adapted to suit their environment – adaptation – evolution (Y2) **Light (Y3)** • Light appears to travel in straight lines • Objects reflect light into the eye • Explain how we see things • Why shadows have the same shape as the objects that cast them **Electricity (Y4)** • Number and voltage of cells used in the circuit • How components function • Use symbols in a simple Circuit diagram