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| **Unit** | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** | **YEAR 6** |
| **Animals, including humans** | Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammalsIdentify and name a variety of common animals that are carnivores, herbivores and omnivoresDescribe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) | Notice that animals, including humans, have offspring which grow into adultsFind out about and describe the basic needs of animals, including humans, for survival (water, food and air)Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene | Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eatIdentify that humans and some other animals have skeletons and muscles for support, protection and movement**TAUGHT AUTUMN 2023 SO NEED TO RECAP DURING YEAR 5 MATERIAL** | Describe the simple functions of the basic parts of the digestive system in humansIdentify the different types of teeth in humans and their simple functionsConstruct and interpret a variety of food chains, identifying producers, predators and prey**TAUGHT AUTUMN 2022 SO NEED TO COVERED WITH YEAR 5 MATERIAL** | Describe the changes as humans develop to old age**NEED TO TEACH YEAR 3 & 4 UNIT ALONGSIDE YEAR 5 UNIT****TO BE TAUGHT SUMMER 2025** | Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and bloodRecognise the impact of diet, exercise, drugs and lifestyle on the way their bodies functionDescribe the ways in which nutrients and water are transported within animals, including humans |
|  | Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense |  |  |  |  |  |
| **Living things and their habitats** |  | Explore and compare the differences between things that are living, dead, and things that have never been aliveIdentify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, |  | Recognise that living things can be grouped in a variety of waysExplore and use classification keys to help group, identify and name a variety of living things in their local and wider environmentRecognise that environments can change and that this can sometimes**NOT BEEN TAUGHT SINCE AUT 2022 SO NEEDS TO TAUGHT WITH YEAR 6 UNIT** | Describe the differences in the life cycles of a mammal, an amphibian, an insect and a birdDescribe the life process of reproduction in some plants and animals | Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animalsGive reasons for classifying plants and animals based on specific characteristics**TO BE TAUGHT AUT 2024** |

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|  |  | and how they depend on each other |  | pose dangers to living things |  |  |
| Identify and name a variety of plants and animals in their habitats, including microhabitats |  |
| Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food |  |
| **Plants** | Identify and name a variety of common and wild and garden plants, including deciduous and evergreen treesIdentify and describe the basic structure of a variety of common flowering plants, including trees | Observe and describe how seeds and bulbs into mature plantsFind out and describe how plants need water, light and a suitable temperature to grow and stay healthy | Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowersExplore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant |  |  |  |
|  |  |  | Investigate the way in which water is transported within plants |
|  |  |  | Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal |

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| **Evolution and Inheritance** |  |  |  |  |  | Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years agoRecognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parentsIdentify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution**TO BE TAUGHT AUT 2024** |
| **Materials** | Distinguish between an object and the material from which it is madeIdentify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rockDescribe the simple physical properties of a variety of everyday materialsCompare and group together a variety of everyday materials on the basis of their simple physical properties | Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular usesFind out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching |  |  | Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnetsKnow that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solutionUse knowledge of solids, liquids and gases to decide how mixtures might be separated, including |  |

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|  |  |  |  |  | through filtering, sieving and evaporatingGive reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plasticDemonstrate that dissolving, mixing and changes of state are reversible changesExplain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda |  |
| **Seasonal changes** | Observe changes across the 4 seasonsObserve and describe weather associated with the seasons and how day length varies |  |  |  |  |  |
| **Rocks** |  |  | Compare and group together different kinds of rocks on the basis of their appearance and simple physical propertiesDescribe in simple terms how fossils are formed when things that have lived are trapped within rock |  |  |  |

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|  |  |  | Recognise that soils are made from rocks and organic matter |  |  |  |
| **States of matter** |  |  |  | Compare and group materials together, according to whether they are solids, liquids or gasesObserve that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature |  |  |
| **Earth and space** |  |  |  |  | Describe the movement of the Earth and other planets relative to the sun in the solar systemDescribe the movement of the moon relative to the EarthDescribe the sun, Earth and moon as approximately spherical bodiesUse the idea of the Earth’s rotation to explain day and |  |

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|  |  |  |  |  | night and the apparent movement of the sun across the sky |  |
| **Light****Yr 3 & 6 units** |  |  | Recognise that they need light in order to see things and that dark is the absence of lightNotice that light is reflected from surfacesRecognise that light from the sun can be dangerous and that there are ways to protect their eyesRecognise that shadows are formed when the light from a light source is blocked by an opaque objectFind patterns in the way that the size of shadows change**TAUGHT SUMMER 1 2024 SO ONLY RECAP NEEDED WHEN TEACH YEAR 6 UNIT** |  |  | Recognise that light appears to travel in straight linesUse the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eyeExplain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyesUse the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them**TO BE TAUGHT SPRING 2025** |
| **Forces** |  |  | Compare how things move on different surfacesNotice that some forces need contact between 2 objects, but magnetic forces can act at a distanceObserve how magnets attract or repel each other and attract some materials and not othersCompare and group together a variety of |  | Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling objectIdentify the effects of air resistance, water resistance and friction, that act between moving surfacesRecognise that some mechanisms includinglevers, pulleys and gears |  |

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|  |  |  | everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materialsDescribe magnets as having 2 polesPredict whether 2 magnets will attract or repel each other, depending on which poles are facing |  | allow a smaller force to have a greater effect |  |
| **Electricity****Yr 6 & Yr 4** |  |  |  | Identify common appliances that run on electricityConstruct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzersIdentify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a batteryRecognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuitRecognise some common conductors and insulators, and associate metals with being good conductor**NOT TAUGHT SINCE SPRING 2023 SO NEED TO TEACH WHEN TEACHING YEAR 6 UNIT** |  | Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuitCompare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switchesUse recognised symbols when representing a simple circuit in a diagram**TO BE TAUGHT SPRING 2025 ALONG WITH YEAR 4 UNIT** |

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| **Sound** |  |  |  | Identify how sounds are made, associating some of them with something vibratingRecognise that vibrations from sounds travel through a medium to the earFind patterns between the pitch of a sound and features of the object that produced itFind patterns between the volume of a sound and the strength of the vibrations that produced itRecognise that sounds get fainter as the distance from the sound source increases |  |  |

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