

Year	Auto	umn	Spi	ring	Summer	
group Seedlings (N2)	Explore both indoor and outdoor environments. Notice changes within the environment. Use a variety of senses to explore the natural world.					
Acorns (N3)	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar/ and or different properties. Talk about what they see, using a wide vocabulary. Plant seeds and care for growing plants. Begin to understand the need to respect and care for the natural environment and all living things. Talk about the difference between materials and the changes they notice. Understand the key features of the life cycle of a plant and animal. Explore and talk about the different forces they can feel.					
Reception	Can describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Explore the natural world around them. Recognise some environments that are different to the one in which they live. Can explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.					
Year 1	Everyday Materials Identify and name a variety of everyday materials, including wood, plastic, glass, water and rock. 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 physical properties.	Seasonal Change Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.	Plants Identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen Identify and describe the basic structure of a variety of common plants including roots, stem/trunk, leaves and flowers.	Seasonal Change Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.	Animals including humans Identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals. Identify, name draw and label the basic parts of the human body and say which parts of the body is associated with each sense.	Seasonal Change Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.
Year 2	Animals including Humans Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival. Describe the importance		Animals and their Habitats To know the differences between things that are living, dead, and things that	Plants Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need	Uses of Everyday 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. Find out how the shapes of	



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group	for humans of exercise, eating the right amounts of different types of food, and hygiene.		have never been alive. Identify 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, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including micro-habitats. Describe how animals obtain their food from plants and other animals.	water, light and a suitable temperature to grow and stay healthy.	solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	
Year 3	Light Recognise that they need light in order to see things and that dark is the absence of light .Notice that light is reflected from surfaces. Recognise that light from the sun can be dangerous and that there are ways to protect their eyes .Recognise that shadows are formed when the light from a light source is blocked by a solid object. Find patterns in the way that the sizes of shadows change.	Rocks Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Describe in simple terms how fossils are formed when things that have lived are trapped within rock. Recognise that soils are made from rocks and organic matter.	Forces and Magnets Compare how things move on different surfaces. Notice that some forces need contact between two objects, but magnetic forces can act at a distance. Observe how magnets attract or repel each other and attract some materials and not others. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. Describe magnets as having two poles. Predict whether two magnets will attract or repel each	Animals including Humans 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 eat .Identify that humans and some animals have skeletons and muscles for support, protection and movement.	Plants Identify and describe the functions of different parts of plants; roots, stem, leaves and flowers. Explore the requirements of plants for life and growth and how they vary from plant to plant. Investigate the ways in which water is transported within plants. Explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	



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Бгоар			other, depending on which poles are facing.			
Year 4	States of Matter Compare and group materials together, according to whether they are solids, liquids or gases. Observe 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.	Animals including Humans Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.	Living things and their Habitats Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose dangers to living things.		Electricity Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts. Identify whether or not a lamp will light in a simple series circuit. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.	Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from a sound travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.
Year 5	Earth and Space Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	Properties and char Compare and group together ev of their properties. Understand dissolve in liquid to form a solut recover a substance from a solut liquids and gases to decide how Give reasons, based on evidence tests, for the particular uses of Demonstrate that dissolving, more reversible changes. Explain that formation of new materials, and usually reversible, including challing and the action of acid on bicarb	veryday materials on the basis that some materials will cion, and describe how to ution. Use knowledge of solids, mixtures might be separated. The form comparative and fair everyday materials. The ixing and changes of state are asome changes result in the dight this kind of change is not inges associated with burning	Living Things and their Habitats Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	Animals including Humans Describe the changes as humans develop from birth to old age.



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Year 6	Living things and their Habitats Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. Give reasons for classifying plants and animals based on specific characteristics.	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 ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	Electricity Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram.	Light Recognise that light appears to travel in straight lines. Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	Animals including Hu Identify and name the main part: system, and explain the function blood. Recognise the impact of d on the way their bodies function nutrients and water are transpor humans.	s of the human circulatory s of the heart, blood vessels and liet, exercise, drugs and lifestyle . Describe the ways in which