



Science Subject Curriculum

Nursery

	Autumn term	Spring Term	Summer term
Before the half term break	Name members of their immediate family Name and describe people who are familiar to them.	Recognise different environments	Explore and talk about the natural world around them.
After the half term break	Observe and explore the natural world around them.	Identify changing seasons on the natural world around them.	Describe what they see, hear and feel.

Reception

	Autumn term	Spring Term	Summer term
Before the half term break	Talk about members of their immediate family and community. Name and describe people who are familiar to them.	Recognise some environments that are different to the one in which they live	Draw information from a simple map. Explore the natural world around them.
After the half term break	Explore the natural world around them.	Understand the effect of changing seasons on the natural world around them.	Describe what they see, hear and feel whilst outside.

Year 1

	Autumn term	Spring Term	Summer term
Before the half term break	Distinguish between an object and the material from which it is made.	Group different materials according to physical properties: hard/soft; rough/smooth, waterproof/not waterproof	Name some basic common animals and know that animals are carnivores, herbivores and omnivores.
After the half term break	Know the different weather and day length associated with the different seasons	Name basic parts of the human body.	Describe the basic structure of a plant using scientific language and name some plants

Year 2

	Autumn term	Spring Term	Summer term
Before the half term break	Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, 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 simple physical properties.	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores.
After the half term break	Observe changes across the four seasons.	Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

	Observe and describe weather associated with the seasons and how day length varies.	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Identify and describe the basic structure of a variety of common flowering plants, including trees.
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Year 3

	Autumn term	Spring Term	Summer term
Before the half term break	Understand shadows, patterns in their size change, the need for light to see, light reflection from surfaces, and ways to protect their eyes from sunlight.	Compare magnet interactions with materials, classify materials based on magnet attraction, describe magnets having two poles, and predict magnet behaviour based on pole orientation.	Compare and group rocks based on appearance and properties, describe how fossils are formed within rocks, and recognise that soils are made from rocks and organic matter.
After the half term break	Explain why animals, including humans, need to eat different types of food to stay healthy and how their skeletons and muscles work together for support and movement.	Explain the roles of different plant parts, such as roots, stem/trunk, leaves, and flowers, and how they contribute to the overall life and growth of a flowering plant.	Demonstrate accurate observations using various equipment, record and present data effectively, draw conclusions, and support findings with scientific evidence.

Year 4

	Autumn term	Spring Term	Summer term
Before the half term break	Name ways that environments change naturally and ways that humans can cause the environment to change.	Sequence the main parts of the digestive system and name the four types of teeth. Classify living things into producers, predators and prey and identify them in a food chain.	Classify living objects using classification keys
After the half term break	Name household devices and appliances that run on electricity. Build a simple electrical circuit with a switch and give examples of good conductors and insulators.	State that sound produces vibrations which travel from the source to our ears, which causes parts inside the ear to vibrate allowing us to hear the sound. Describe how loudness of the sound depends on the strength/size of the vibrations and that sounds decrease in volume the further you move away from the source. State that pitch is the highness or lowness of the sound.	Name the properties of a solid, liquid and gas. Describe how water changes state to a solid and to a gas and at what temperature. Describe evaporation, condensation and precipitation as part of the water cycle.