



Progression of Knowledge and Skills in **Science**

Nursery	Reception	Year One	Year Two
Animals including Humans I will learn about the life cycles of animals I can compare adult animals to their babies. I can observe how baby animals change over time. I will know about the life cycles of humans. I will know about how to take care of myself. I will know about my senses.	Animals including Humans I can name and describe animals that live in different habitats. I can describe different habitats. Describe people who are familiar to them. Learn about how to take care of themselves.	Animals including Humans I know and name a variety of animals including fish, amphibians, reptiles, birds and mammals. I classify and know animals by what they eat (carnivore, herbivore and omnivore) I know how to sort animals into categories (including fish, amphibians, reptiles, birds and mammals) I know how to name the parts of the human body that I can see.	Animals including Humans I know the basic stages in a life cycle for animals, including humans. I know what animals and humans need to survive. I know why exercise, a balanced diet and good hygiene are important for humans.

Nursery	Reception	Year One	Year Two
Materials including changing Materials I can explore everyday materials. I can shape and join materials Combine and mix ingredients Change materials by heating and cooling, including cooking Living Things and their Habitats Explore the surrounding natural environment Explore natural objects from the surrounding environment.	Materials including changing Materials Explore a range of materials, including natural materials Make objects from different materials, including natural materials Observe, measure and record how materials change when heated and cooled Compare how materials change over time and in different conditions. Living Things and their Habitats Explore the plants in the surrounding natural environment	I know how to link the correct part of the human body to each sense. Plants I know and name a variety of common wild and garden plants. I know and name the petals, stem, leaves and root of a plant. I know and name the roots, trunk, branches and leaves of a tree. Everyday Materials I know the materials that an object is made from. I know the difference between wood, plastic, glass, metal, water and rock.	Plants I know how seeds and bulbs grow into plants. I know what plants need in order to grow and stay healthy (water, light & suitable temperature). Use of Everyday Materials I identify and name a range of materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard. I know why a material might or might not be used for a specific job. I know how materials can be changed by squashing, bending, twisting and stretching.

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Electricity Identify electrical devices Use battery-powered devices Light Explore light source Shine light on or through different materials. Forces Feel forces Explore how things work Explore how objects/ materials are affected by forces	Explore the animals in the surrounding natural environment. Explore plants and animals in a contrasting natural environment. Seasonal Changes Play and explore outside in all seasons and in different weather. Observe living things throughout the year. Light Explore shadows Explore rainbows Forces Explore how to change how things work Explore how the wind can move objects	I know about the properties of everyday materials. I group objects based on the materials they are made from. Seasonal Changes I observe and know about the changes in the seasons. I name the seasons and know about the type of weather in each season.	Living things and their Habitats I identify things that are living, dead and never lived. I know how a specific habitat provides for the basic needs of things living there (Plants and animals). I identify and name plants and animals in a range of habitats. I match living things to their habitat. I know how animals find their food. I name some different sources of food for animals. I know and can explain a simple food chain.

Nursery	Reception	Year One	Year Two
Explore how objects move in water. Sound Listen to sounds Make sounds	Sound Listen to sounds outside and identify the source. Make sounds. Earth and space Learn about the Earth, Sun, Moon, planets and stars Learn about space travel		