

Moredon Primary and Nursery School
Subject Overviews, Long term planning 2026-2027

Subject area: Science

Intent: By the end of their time at Moredon Primary and Nursery School we want the children to be inquisitive and enthusiastic scientists, curious about the world around them, with an extensive and confident vocabulary.



	Nursery	Reception	Year 1	Year 2	Year 3/4	Year 5	Year 6
Term 1	UTW Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties.	UTW 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.	Animals inc Humans (label parts of the body/ 5 senses)	Animals inc Humans (Habitats /needs to live) Living Things and their habitats (living/not living/ life cycles /food chains)	Rocks (properties/ fossils/soil)	All living things and habitats (life cycles /reproduction plants and animals)	Living Things and their habitats (classification /grouping / micro-organisms)
Term 2	Talk about what they see, using a wide vocabulary. Explore how things work.	Understand the key features of the life cycle of a plant and an animal.	Animals inc Humans (identify and name animals)	Materials (properties)	Light (seeing / sources/ reflection/sun/ shadows)	Forces (gravity/ air and water resistance /friction / levers and pulleys)	Electricity (voltage in a circuit/ circuit diagrams)
Term 3	Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal.	Understand some important processes and changes in the natural world around them, including the seasons and	Everyday Materials (name materials / properties/ compare and group)	Uses of Everyday Materials (compare uses/ how solids can be changed)	Forces and Magnets (moving on diff surfaces/ magnets)	Properties and changes of materials (properties / dissolving / separating mixtures / uses of/ reversible and irreversible)	Light (how travels / how see/ light sources/ shadows)
Term 4	Begin to understand the		Seasonal changes- (Spring /summer Weather chart, sun dial)	Plants (seed growth/ needs to grow)	Plants (function parts flower/need for growth/life cycle)	Earth in Space (solar system/ Moon/ day and night)	Evolution and Inheritance (changes over time/ fossils /offspring / adaptation to an environment)

Term 5	need to respect and care for the natural environment and all living things.	changing states of matter 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. Explore floating and sinking	Plants (identify and name common plants/trees/structure of plant)	Plants (seed growth/ needs to grow)	Plants (function parts flower/need for growth/life cycle)	Animals inc Humans (changes in humans to old age)	Animals inc Humans (human circulatory system / effects diet and drugs)
Term 6	Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice.		Animals inc Humans (Classifying animals into Herbivores etc)	Animals inc Humans (life cycles/needs to live/ exercise/balanced diet/teeth)	Animals inc Humans (need for food/skeletons and muscles)	Recap/gaps from previous terms topics	Animals inc Humans (human circulatory system / effects diet and drugs)