

Moredon Primary and Nursery School
Subject Overviews, Long term planning 2022-2023

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.



	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 1	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 body)	Uses of Everyday Materials (compare uses/ how solids can be changed)	Rocks (properties/ fossils/soil)	Living things and their habitats (grouping / classification keys/ environ change)	All living things and habitats (life cycles /reproduction plants and animals)	Living Things and their habitats (classification /grouping / micro-organisms)
Term 2	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Seasonal changes (across four seasons)	Animals inc Humans (life cycles/needs to live/ exercise/balanced diet)	Animals inc Humans (need for food/skeletons and muscles)	Animals inc Humans (digestive system /teeth/food chains)	Earth in Space (solar system/ Moon/ day and night)	<u>Electricity</u> (voltage in a circuit/ circuit diagrams)
Term 3	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	Animals inc Humans (identify and name animals)	Animals inc Humans (Habitats /needs to live) Living Things and their habitats (living/not living/ life cycles /food chains)	Plants (function parts flower/need for growth/life cycle)	<u>Electricity</u> (appliances/ circuits/ switches/ conductors and insulators)	<u>Forces</u> (gravity/ air and water resistance /friction / levers and pulleys)	Animals inc Humans (human circulatory system / effects diet and drugs) Covered in Year 5 -so revision /gaps SATS REVISION

	contrasting environments, drawing on their experiences and what has been read in class						
Term 4	Explore the natural world around them, making observations and drawing pictures of animals and plants -Grow beans	Seasonal changes (across four seasons / compare to Term 2)	Materials (properties)	<u>Forces and Magnets</u> (moving on diff surfaces/ magnets)	Living things- food chains	Properties and changes of materials (properties / dissolving / separating mixtures / uses of/ reversible and irreversible) Could continue in Term 5 if needed	Evolution and Inheritance (changes over time/ fossils /offspring / adaptation to an environ) SATS REVISION
Term 5	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter	Everyday Materials (name materials / properties/ compare and group)	Plants (seed growth/ needs to grow)	Light (seeing / reflection / sun/ shadows)	Sound (vibrations /pitch/ volume/ distance)	Animals inc Humans (changes in humans to old age)	Properties and changes of materials (Y5 objectives) (properties / dissolving / separating mixtures / uses of/ reversible and irreversible)
Term 6	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;	Plants (identify and name common plants/trees/structure of plant)	Plants (seed growth/ needs to grow)	Light (seeing / reflection / sun/ shadows) Investigations- recapping all topics covered over the year.	States of Matter (solids, liquids, gases /heating / cooling/ evaporation)	Year 6 objectives-Due to less time in Term 3 for SATS revision Animals inc Humans (human circulatory system / effects diet and drugs)	Light (how travels / how see/ light sources/ shadows)