

Science

It is the intent of the curriculum to:

- create inquisitive scientific thinkers
- build knowledge about the world around them founded in biology, chemistry and physics
- develop skills in scientific investigation



Science, as a core subject, will be taught weekly over 5 half terms using the structure of CUSP with some adaptations. Science will be taught in a full afternoon allowing for deep exploration into the topic. The weekly lessons will allow for the ongoing re-visiting needed to facilitate moving the knowledge into long-term memory. The curriculum is carefully designed to allow for revisiting topics and key concepts. There will be a focus on scientific thinking from nursery upwards in addition to increasing knowledge and vocabulary building from year to year. Throughout the curriculum, one main aim is to maintain the curiosity that children naturally have in the early years. Added into the curriculum are opportunities for further scientific methodology with key STEM challenges.

Science						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Exploring the outdoors Body Parts	Exploring the outdoors Body Parts	Notice and describe features of the environment	Notice and describe features of the environment	Explore plants and seeds Cycle of plants and animals Floating/sinking magnetism decay	Explore plants and seeds Cycle of plants and animals Floating/sinking magnetism decay
Reception	Materials Body Temperature	Materials Body Temperature	Light and dark Shadows Push and pull forces	Light and dark Shadows Push and pull forces	Materials Plants Animals	Materials Plants Animals

Year 1	Seasons Plants Animals	Seasons Plants Animals	Seasons Materials	Seasons Plants Animals	Seasons STEM	Time used for RSE
Year 2	Animals and living things	Materials	Living things Materials	Plants	Animals	Time used for RSE
Year 3	Rocks	Animals	Forces and Magnetism	Light	Time used for RSE	Plants
Year 4	Habitats	Electricity	Human digestion	Time used for RSE	States of Matter	Sound

Lesson Structure:

Revisit/Connect to prior learning

Vocabulary

Explain

Model

Attempt/Apply

Challenge

Firm Foundations, Broad Horizons, Transforming the community together

kindness | happiness | resilience | independence | motivation | respect