Science - Whole School Overview

Cycle A (2024/25)						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery **<u>The Natural World</u>**	-Use all their senses in hands-on exploration of natural materials -Explore change and growth - seasons		-Explore change and growth - cooking -Investigate similarities and differences -Using cause and effect toys and equipment (including mechanical toys) which encourages problem solving		-Explore minibeasts -Planting and growing activities; engaging in discussions about observations	
Reception **<u>The Natural World</u>**	-Autumn walk- seasonal changes -Growth changes -Introduce simple map on walk	-Local community walks -Post box walk -Road safety -Use simple map on walk	-Map of classroom/school -Freezing/Melting -Ice & Snow -Winter Seasonal changes	-Spring Seasonal changes -Local community walks -Local community walks -Map of local area	-Life cycle/ - Frogspawn/sunflowers /planting -Growth -Planting -Light and shadows -Record the weather -Recycling	-Summer Seasonal changes -Life cycle of a frog -Life cycles Caterpillars/Butterflies -Growth -Planting -Identify plants and animals in school grounds -Record the weather
Years 1/2	**Seasonal changes (Y1)** *(Autumn and Winter)*	~~Animals, including~~ **humans** (Y1)	~~Animals, including~~ **humans** (Y2)	**Seasonal changes (Y1)** *(Spring)*	**Living things and their habitats (Y2)**	**Seasonal changes (Y1)** *(Summer)*
Years 3/4	**Rocks (Y3)**	**Light (Y3)**	**Forces and magnets (Y3)**		**Sound (Y4)**	**Animals, including humans (Y4**
Years 5/6	**Electricity (Y6)**	**Evolution and Inheritance (Y6)**	**Living things and their habitats (Y5)**	**Forces (Y5)** *(gravity, air resistance, water resistance, friction)*	**Forces (Y5)** *(mechanisms, levers, pulleys, gears)*	**Animals, including humans (Y5)**

Science - Whole School Overview

Cycle B (2025/26)						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery **<u>The Natural World</u>**	-Use all their senses in hands-on exploration of natural materials -Explore change and growth - seasons		-Explore change and growth - cooking -Investigate similarities and differences -Using cause and effect toys and equipment (including mechanical toys) which encourages problem solving		-Explore minibeasts -Planting and growing activities; engaging in discussions about observations	
Reception **<u>The Natural World</u>**	-Autumn walk- seasonal changes -Growth changes -Introduce simple map on walk	-Local community walks -Post box walk -Road safety -Use simple map on walk	-Map of classroom/school -Freezing/Melting -Ice & Snow -Winter Seasonal changes	-Spring Seasonal changes -Local community walks -Local community walks -Map of local area	-Life cycle/ - Frogspawn/sunflowers /planting -Growth -Planting -Light and shadows -Record the weather -Recycling	-Summer Seasonal changes -Life cycle of a frog -Life cycles Caterpillars/Butterflies -Growth -Planting -Identify plants and animals in school grounds -Record the weather
Years 1/2	**Everyday materials (Y1)**	**Uses of everyday materials (Y2)**	**Animals**, ~~including humans~~ (Y1)	**Animals**, ~~including humans~~ (Y2)	**Plants (Y1)**	**Plants (Y2)**
Years 3/4	**Plants (Y3)**	**Animals, including humans (Y3)**	**Electricity (Y4)**		**States of matter (Y4)**	**Living things and their habitats (Y4)**
Years 5/6	**Earth and Space (Y5)**	**Properties and changes of materials (Y5)**	**Animals, including humans (Y6)** (*circulatory system)*	**Animals, including humans (Y6)** (*effects of exercise on the body, keeping healthy, diet and lifestyle)*	**Living things and their habitats (Y6)**	**Light (Y6)**