

Calthwaite C of E whole school Science Progression

At Calthwaite we use both Kapow and White Rose Science to enrich our curriculum. We aim to develop our pupils as scientists, we want them to enjoy the subject and remember the exciting science in school. Children are encouraged to develop their scientific curiosity and understanding by working scientifically. We want the children to explore and learn in science in a variety of different ways, building on skills, engaging with and developing the elements of working scientifically. This include skills such as experimenting with their own lines of enquiry, making predictions, analysing results, observing changes over time, collecting results in a variety of ways, drawing conclusions from their observations

Cycle A						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Class 1	The Human Body (Year 1)	Seasonal Changes – Autumn (Year 1)	Animals (Year 1)	Seasonal Changes – Spring (Year 1) Plants	Materials (Year 1)	Sustainability – Caring for the Planet
Class 2	Materials (Year 2) Sustainability – plastic (Year 2)	Rocks Fossils Soils (Year 3)	Forces Magnets (Year 3)	Plants – light and dark (Year 2)	Nutrition and Diet (Year 3) Sustainability – food waste (Year 3)	Living Things and their Habitats (Year 2)
Class 3	Light (Year 6)	Properties and change of matter (Year 5)	Electricity (Year 4) Electricity (Year 6)	Sustainability Plastic pollution (Year 5) Food chains (Year 4)	Space (year 5)	Data Collection C (Year 4) Habitats (Year 4)

Cycle B

CULTIVATE – INSPIRE – FLOURISH

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Class 1		Materials (Exploring Materials) (Year 1)	Seasonal Changes – Winter (Year 1)	Plants – Trees (Year 1)	Animals (Year 1)	Seasonal Changes - Summer
Class 2	Light (Year 3)	Plants A (Year 3) Sustainability – Wildlife (Year 2)	Skeletons (Year 3) Movement (Year 3)	Plants – bulbs and seeds (Year 2) Humans (Year 2)	Growing up (Year 2)	Animals need for survival (Year 2) Sustainability – Biodiversity (Year 3)
Class 3	Variation (Year 6) Adaptation (Year 6) Fossils (Year 6)	Circulatory Systems (Year 6)	States of matter (Year 4)	Digestive System (Year 4)	Animals including humans (Year 5)	Living things and their habitats (Year 6) Sustainability Global Warming (Year 5)

Cycle C						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Class 3	Sound (Year 4)	Group and classify living things (Year 4) Data Collection A (Year 4) Sustainability Deforestation (Year 4)	Life cycles (Year 5) Reproduction (Year 5) Reproduction B (Year 5)	Sustainability Light pollution (Year 6) Sustainability Energy (Year 4) Renewable energy (Year 6)	Forces Year 5)	Diet, drugs and lifestyle (Year 6)