



The Belfry CEVA Primary School – Long-Term Science Plan (KS1 and KS2)



Planning Structure

As we have mixed-age classes at The Belfry, we operate a rolling program of units/topics in foundation subjects to ensure that all children cover all areas, regardless of their path through the school. Where units are revisited, this is intentional to embed learning, working as 'spaced retrieval' in line with our pedagogy.

The nature of the rolling programme depends on pupil numbers & class structures. At present, it's as follows:

Holly class (EYFS) – following the EYFS framework and 'understanding the world' every year. See EYFS planning for more detail. Year 1 children in Holly class will cover the same content as their counterparts in Larch class (below).

Larch class (Key Stage 1 - yr 1 and 2) – a two-year rolling programme, following a simple AB format. For Larch class, year A was 2024/25, year B is 2025/26 and 2026/27 will be year A again.

Willow and Ash classes (years 3 to 5) – a three-year rolling programme following an ABC format, with the units/topics adapted to suit the age and stage of the learners in each class. Expectations will typically be higher of children in year 5 than in year 3 or 4, with topics looked at in greater detail and depth. In these classes, year A was 2024/25, year B is 2025/26 and 2026/27 will be year C. 2027/28 will then be year A again (this will not match with year A in Larch class, above).

Oak class (year 6) – as with Holly class, covering the same units each year as it is a single year group class.

In the event that our class structures change, this Long-Term Plan will be updated.

Substantive Concepts				
Biology		Chemistry		Physics
		Autumn Term	Spring Term	Summer Term
Larch Class Yr 1/2	A	Seasonal changes	Animals inc. humans – classes (e.g. mammal)	Materials - uses
		Plants – names & characteristics	Materials - properties	Animals inc. humans – survival & life cycles
	B	Plants (recap/intro)	Materials – properties	Animals inc. humans – survival & life cycles
		Animals inc. humans – classes (e.g. mammal)	Materials - uses	Living things & habitats – alive/dead/never alive Plants – survival & growth
Willow Class Yr 3/4 Ash Class Yr 4/5	A (4)	Living things & habitats – classifying animals & plants	Animals inc. humans – digestive system & food chains	Electricity
		States of matter	Light	Sound
	B (5)	Materials – properties & changes	Forces & magnets	Earth and space
		Animals inc. humans – human life cycle & healthy living		Living things & habitats – classifying animals & plants
C (3)	Rocks	Forces & magnets	Living things & habitats	
	Animals inc. humans – diet & skeleton			
Oak Class Yr 6	A	Electricity	Light	Living things & habitats
		Animals inc. humans		Evolution & inheritance

To find more detail on the content of each topic, see the Science Progression Map on our website, and the knowledge organisers for each topic which will be on class pages when the class is studying that topic.