Science long term plan

Acorns: Pre-School					
Cycle A - Understanding the World					
Autumn term		Spring term		Summer term	
Seasonal changes What to pack for the season Healthy and unhealthy foods	Explore the changes of season in Autumn and Winter	Spring changes Taking care of new life in Spring	Simple life cycles. Looking at eggs linked to Easter.	Differences between plants and animals Sort and classify plants and animals Plant beans and observe over time	Life cycles Observe the life cycle of a caterpillar/butterfly through a real butterfly garden net. Forces when gardening and planting in allotment.
Cycle B - Understanding the World					
Autumn term		Spring term		Summer term	
Seasonal changes What to pack for the season Healthy and unhealthy foods	Explore the changes of season in Autumn and Winter	Spring changes Taking care of new life in Spring	Simple life cycles. Looking at eggs linked to dinosaurs' eggs.	Differences between plants and animals Sort and classify plants and animals	Life cycles Observe the life cycle of a caterpillar/butterfly through a real butterfly garden net. Forces when gardening and planting in allotment.

Acorns: EYFS					
Cycle A - Understanding the World					
Autumn term		Spring term		Summer term	
Animals including humans Senses, Me and my small world	Seasonal changes in Winter	Potions and materials	Planes and boats Magnets	Plants and habitats	Life cycles of animals
Working Scientifically Senses walk Observe and measure	Working Scientifically Making butter Interpret and report Evaluate	Working Scientifically Mix materials Set up enquiry	Working Scientifically Toy forces Interpret and report Evaluate	Working Scientifically Incy Shelter Set up enquiry	Working Scientifically Forensic footprints Record
Cycle B - Understanding the World					
Autumn term		Spring term		Summer term	
Animals including humans Senses, Me and my small world	What's changed? Changes in Winter	Changing States	Pushes and pulls Materials	Plants	Life cycles of animals
Working Scientifically Taste test Interpret and report Evaluate	Working Scientifically Bubble snake Interpret and report Evaluate	Working Scientifically Frozen balloons Observe and measure	Working Scientifically Scoop Sounds Ask questions and plan enquiry	Working Scientifically Brown Apples Ask questions and plan enquiry	Working Scientifically Scavenger Sort Record

Willow (Years 1 and 2)					
Cycle A					
Autumn term		Spring term		Summer term	
Seasonal Changes (Year 1) Caring for the planet (Year 1) Supplementary Content	Seasonal Changes (Year 1) Planting A (Year 1)	Plants - light and dark (Year 2)	Seasonal Changes (Year 1) Planting B (Year 1)	Plants - bulbs and seeds (Year 2)	Seasonal Changes (Year 1) Planting C (Year 1)
Working Scientifically Seasonal Change Record	Working Scientifically Leaf looking Observe and measure	Working Scientifically Comparing plant growth in different conditions Observe and measure	Working Scientifically Nature spotters Interpret and report Evaluate	Working Scientifically Daisies in a footprint Set up enquiry	Working Scientifically Animal home build Ask questions and plan enquiry
Cycle B					
Autumn term		Spring term		Summer term	
Animals, including humans (Year 1)	Animals, including humans (Year 2)	Everyday Materials (Year 1)	Living Things and their Habitats (Year 2)	Uses of Everyday Materials (Year 2)	Plastic (Year 2) Wildlife (Year 2) Supplementary Content
Working Scientifically Animal Classification Interpret and report Evaluate	Working Scientifically Feeding Simulation Set up enquiry	Working Scientifically Ways to test transparency Ask questions and plan enquiry	Working Scientifically Sorting living and non-living Interpret and report Evaluate	Working Scientifically Materials hunt Record	Working Scientifically Shades of colour Observe and measure

Oak (Years 3 and 4)					
Cycle A					
Autumn term		Spring term		Summer term	
Rocks (Year 3)	Light (Year 3)	Electricity (Year 4)	Plants (Year 3)	Animals including humans (Year 3)	Animals including humans (Year 4)
Working Scientifically Rocks reports Interpret and report	Working Scientifically Making Shadows Record	Working Scientifically Circuit products Observe and measure	Working Scientifically Function of a stem Evaluate	Working Scientifically Investigating Skeletons Ask questions and plan enquiry	Working Scientifically Teeth (eggs) in liquid Evaluate
Cycle B					
Autumn term		Spring term		Summer term	
Living things and their habitats (Year 4)	Sound (Year 4)	States of Matter (Year 4)	States of Matter (Year 4) Biodiversity (Year 3) Supplementary content	Forces and Magnets (Year 3)	Data Collection C (Year 4) Deforestation (Year 4) Energy (Year 4) Supplementary content
Working Scientifically Local Survey of living things Record	Working Scientifically Investigating Pitch Ask questions and plan enquiry	Working Scientifically Drying material Set up enquiry	Working Scientifically Measure temperature Observe and measure	Working Scientifically Shoe Grip Magnet Test Set up enquiry	Working Scientifically Wind power vehicle Interpret and report

Lime (Years 5 and 6)					
Cycle A					
Autumn term		Spring term		Summer term	
Earth and Space (Year 5)	Influential Scientists Supplementary content	Properties and Changes of Materials (Year 5)	Global warming (Year 5) Plastic pollution (Year 5) Supplementary content	Animals including humans (Year 5)	Animals including humans (Year 6)
Working Scientifically Solar system research Interpret and report	Working Scientifically Bulb brightness Ask questions and plan enquiry Space craters Record	Working Scientifically Thermal insulation layers Set up enquiry	Working Scientifically Pollution survey Evaluate	Working Scientifically Growth survey Observe and measure	Working Scientifically Human heart rate Set up enquiry
Cycle B					
Autumn term		Spring term		Summer term	
Evolution and Inheritance (Year 6)	Forces (Year 5)	Living things and their habitats (Year 5)	Living things and their habitats (Year 6)	Renewable energy (Year 6) Light pollution (Year 6)	Careers and preparing for Secondary Science (Year 6)
Working Scientifically Camouflaged moths Record	Working Scientifically Spinner dropping Observe and measure	Working Scientifically Flower sampling Ask questions and plan enquiry	Working Scientifically Living things keys Record	Working Scientifically Dirty water filter Interpret and report	Working Scientifically Forensic powders Evaluate Yeast growth Set up enquiry