



Outdoor Learning Progression Ladder

EYFS

Maths

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2



Year 1

Science

Autumn 1

Animals including humans

Autumn 2

Materials

Spring 1

Classification

Spring 2

Classification

Summer 1

Plants

Summer 2

Plants

Explore and search for animals in the school and outdoor environment.

Identify different materials around school and the playground. Describe their uses.

Explore and search for animals in the school and ridge outdoor environment.

Capture and return mini-beasts safely using pooters.



To observe and record the growth and changes of flowers they have planted. (sunflowers)

Autumn 1

Autumn 2






Spring 1

Spring 2

Summer 1

Summer 2







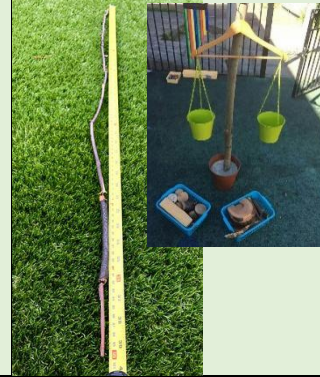
Geography		'I wonder... what I can create to help the whale find her way home'			'I wonder... where in the UK would Paddington like to live'	
		Tour of local area- key features linked with maps Children to go on a local area walk and create whole class map of their route.	Orienteering - pending		Weather diary – collect data about the weather in England and compare this to Wales, Scotland and Ireland.	
Maths	Autumn 1 Place value	Autumn 2 Addition and subtraction shape	Spring 1 Length and height	Spring 2 Multiples of 2, 5 and 10	Summer 1 Time	Summer 2 Position and direction
	Using natural materials to add and subtract within 10. 	Finding 2D shapes and ticking off a checklist. Creating 2D shapes in nature 	 Measuring the length of sticks outside.  Using sticks to compare greater than and less than.	Sorting natural materials into groups and counting them in 2s, 5s and 10s.	 Create clocks out of stones/pebbles/leaves and use sticks to create times to o'clock and half past.	Blindfolded obstacle course outside. Treasure maps outside 'your first clue is behind the tree'.

Year 2

Science	Autumn 1 Animals including humans	Autumn 2 Living things and their habitats	Spring 1 Materials	Spring 2 Materials	Summer 1 Plants	Summer 2 Plants
	Explore the effects of exercise on their bodies. E.g. using the playground activities,	Explore the outside environment regularly to find objects that are living, dead and that have never lived.	Identify the different uses of everyday materials at home and in the local area / environment. Discussing how they are suitable for their environment.			Observe and record the growth of plants from a seed and bulbs at different stages of growth by planting own seeds – cress seeds (use the cress in cooking topic summer 2).






	hopscotch, trim trail and laps of the MUGA.	Explore habitats and microhabitats in the local area recording what animals and plants are found and begin to explain how and why the living things in the habitats depend on each other (sandy banks).				
Geography	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 'I wonder... how rural and urban Kenya compares to rural and urban England'	Summer 2
	Orienteering - pending				Using a compass on the playground and take pictures of each part of the playground. Venn diagrams looking at human and physical features. Use compass skills to plan a local area walk.	
Maths	Autumn 1 Place value	Autumn 2 Addition and subtraction Shape	Spring 1 Money, multiplication and division	Spring 2 Length and height Mass & capacity	Summer 1 Fractions Time	Summer 2 Statistics Position & direction
	Using natural resources to represent place value. Using place value charts for this. Partitioning numbers,  part-part-whole.	Creating and making shapes outdoors, describing their properties.	Using natural resources to answer multiplication and division questions. 	Measuring sticks using cm and m. Comparing lengths using the symbols. Weighing different stones using balancing scales. Weighing and recording the results in grams and kg.	 Representing fractions.	Creating graphs (block diagrams) using natural outdoor materials. 



Year 3

Year 3						
Science	Autumn 1 Rocks and soils	Autumn 2 Light	Spring 1 Magnets	Spring 2 Forces	Summer 1 Plants	Summer 2 Animals including humans
	Investigate the water retention of soils. Comparing soil samples from sandybanks / The Ridge.	Observe and look for patterns in what happens to shadows when the light source moves and when the distance between the source and object changes. (shadows of the clouds / children in the playgrounds)	Investigate how different objects move across a surface. Suggesting why some travel further than others (using outdoor surfaces).		Discover how seeds are formed by observing different stages of plant life cycles over time. (Bestwood Lodge plant walk)	Explore how muscles work by observing and comparing each other's performance of different muscles. (use of outdoor equipment on the playground)
Geography	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 'I wonder... where volcanoes and earthquakes are located and their impact on the local area'	Summer 2
		Orienteering - pending			Fieldwork (inside the classroom) – look at the gradients of a mountain. Comparing the gradient of the mountain to the local area e.g. Southglade park.	

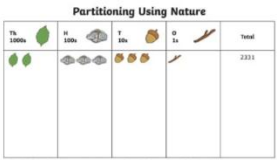

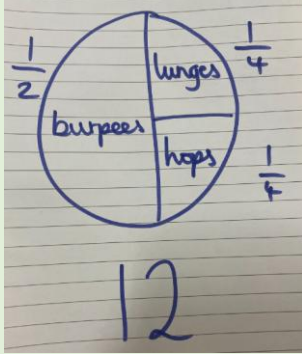


Maths	Autumn 1 Place value Addition & subtraction	Autumn 2 Multiplication & division	Spring 1 Multiplication & division Length & perimeter	Spring 2 Fractions Mass & capacity	Summer 1 Fractions Money	Summer 2 Time Shape
	Using materials to represent 100s, 10s and 1s.	 <p>Number sense activities involving missing number questions.</p>	Trundle wheels to measure the length and work out the perimeter of the playground.	 <p>Using chalks to draw and recognise fractions.</p>		 <p>Creating 3D shapes. Naming the properties.</p>

Year 4

Science	Autumn 1 Sound	Autumn 2 Electricity	Spring 1 States of matter – the water cycle	Spring 2 States of matter	Summer 1 Living things and their habitats	Summer 2 Animals including humans
			Observe and record evaporation over a period of time. Compare how temperature and setting effects evaporation rate.		Use fieldwork to explore human impact on the local environment e.g. litter and tree planting.	Classify animals as herbivores, carnivores and omnivores according to the type of teeth they have. Discussion point - animals in the school area and where they fit on the food chain.
Geography	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 'I wonder... what the cause and impact of animal and human migration is'	Summer 2
	Orienteering - pending					





Maths	Autumn 1 Place value	Autumn 2 Length and perimeter	Spring 1 Multiplication and division Area	Spring 2 Fractions	Summer 1	Summer 2
	<p>Create place value charts out of natural materials.</p> 	<p>Using sticks and materials outside to create rectangles to find the perimeter. Also measure the length of the playground and convert between meters and kilometres. Groups measuring each side of the playground and put it altogether.</p> 	<p>Similar to autumn 2, creating shapes and finding the area.</p>	 <p>Children to work out the fraction of amount and then complete the number of exercises.</p>		<p>Angles- Finding right angles in shapes they have created using outdoor materials. Taking pictures of acute and obtuse angles and comparing.</p>

Year 5

Science	Autumn 1 Materials	Autumn 2 Forces	Spring 1 -	Spring 2 Earth and space	Summer 1 Animals including humans	Summer 2 Animals including humans
		<p>Investigate the amount of force required to get an object moving on a surface relative to keeping it moving and allowing it to slow down.</p>		<p>In the playground, make a scale model of the solar system, showing relative distances of planets.</p>	<p>Observe life cycle changes in plants over time (growing own sweet peas).</p>	
Geography	Autumn 1	Autumn 2	Spring 1 'I wonder... how the geographical features of North America compare to the United Kingdom'	Spring 2	Summer 1	Summer 2
			<p>Fieldwork in local area-creating a map of local area (annotated drawings and field sketches to record)</p>		<p>Orienteering - pending</p>	



observations) e.g. coop, shops on Beckhampton road.

Maths	Autumn 1 Place value Addition & subtraction	Autumn 2 Multiplication & division Fractions	Spring 1 Decimals, percentages	Spring 2 Perimeter & area Statistics	Summer 1 Shape Position and direction	Summer 2 Decimals, converting units Volume
	Creating place value charts up to 6 digits  Representing numbers using place value.	Using practical ways of showing short division- bus stop method. Fractions of natural resources. 	Collecting different coloured leaves & working out the percentage of each colour / shape.	Measuring the perimeter and area of the playground.	Use of co-ordinates in a drawn map (<i>drawing freehand maps of a site they have visited</i>)	

Year 6

Science	Autumn 1 Light	Autumn 2 Living things and their habitats	Spring 1 Evolution and inheritance	Spring 2 Electricity	Summer 1 Animals including humans	Summer 2 Animals including humans
		Use classification keys to classify a broad range of vertebrates and invertebrates. For invertebrates this could be done through direct observations in the local area e.g. Sandybanks / Bestwood country park.			Investigate the effects on pulse rate and heartbeat.	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

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EYFS – Year 6



Geography					'I wonder... why the amazon rainforest is the most diverse ecosystem in the world'	
					Draw freehand maps of sites they have visited. Go on a trip to a location and draw a map afterwards.	Orienteering – pending Collecting quantitative and qualitative data e.g. how much pollution is in a certain place. - Interviewing people asking them how they feel about it.
Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Algebra- using leaves to create missing number					