

Science Medium Term Plan

	Year Group:	Term:	Topic/Unit :		
	1	Throughout the year	Seasonal Changes		
National Curriculum Programme of Study	<ul style="list-style-type: none"> • Observe changes across the four seasons. • Observe and describe weather associated with the seasons and how day length varies. 				
Prior Learning	<ul style="list-style-type: none"> • Understand the key features of the life cycle of a plant and an animal. (Pre-School – Plants & Animals, excluding humans) • Explore the natural world around them. (Reception – Seasonal changes) • Describe what they see, hear and feel whilst outside. (Reception –Seasonal changes) • Understand the effect of changing seasons on the natural world around them. (Reception – Seasonal changes) 				
Future Learning	<ul style="list-style-type: none"> • Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. (Y3 - Light) • Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the Sun across the sky. (Y5 - Earth and space) • The seasons and the Earth’s tilt, day length at different times of year, in different hemispheres. (KS3) 				
Links to other subjects	PSHE – Sun safety Science – plants				
Enrichment	Make a snowman, stomp in autumn leaves, take photographs of flowers, shadow puppets				
Working Scientifically	Comparative tests 	Identify and classify 	Observation over time 	Pattern seeking 	Research 
	In which season does it rain the most?	How would you group these things based on which season you are most likely to see them in?	How does the colour of a UV bead change over the day?	Does the wind always blow the same way?	Are there plants that are in flower in every season? What are they?
Working Scientifically Assessment Focus	<p>Do: Record – seasonal change</p> <p>Working Scientifically Review: Observe over time and record data to help in answering questions</p> <p>Assessment Focus</p> <ul style="list-style-type: none"> • Can children observe changes across the seasons? • Can children record and discuss changes across the seasons? 				
Sticky vocabulary	weather, sun, rain, wind, snow, seasons, winter, summer, spring, autumn, sunrise, sunset, day length, temperature Working Scientifically vocabulary: experience, observe, changes, compare, record, same, different				
End points	<ul style="list-style-type: none"> • In the UK, the day length is longest at mid-summer (about 16 hours) and gets shorter each day until mid-winter (about 8 hours) before getting longer again. • The weather also changes with the seasons. • In the UK, it is usually colder and rainier in winter, and hotter and dryer in the summer. • The change in weather causes many other changes. Some examples are: numbers of minibeasts found outside; seed and plant growth; leaves on trees; and type of clothes worn by people. 				