

	Times of the day/year	Times of the day/year	Seasonal Changes		Light	
<u>Changes</u>	Nursery	Reception Winter Festivals A2 Throughout year	Year 1 Ongoing throughout the year	Year 2	Year 3 Anglo Saxon Britain	Year 4
Curriculum objectives Taken from Long Term Plans and NC	<u>UW The World 3-4 years</u> Begin to understand the need to respect and care for the natural environment and all living things.	<u>UW The World 4-5 years</u> Understand the effect of changing seasons on the natural world around them <u>ELG:</u> Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	Observing changes in nature observe changes across the four seasons observe and describe weather associated with the seasons and <u>how day length varies.</u>	NA	Recognise that they need light in order to see things and that dark is the absence of light Notice that light is reflected from surfaces Recognise that light from the sun can be dangerous and that there are ways to protect their eyes Recognise that shadows are formed when the light from a light source is blocked by an opaque object Find patterns in the way that the size of shadows change.	NA
Key Vocabulary	Morning, afternoon	Morning, evening, lunchtime, (Types of weather I.e. raining, cloudy, snowing, windy, sunny and cloudy etc.)	Seasons: Autumn, Spring, Summer, Winter, deciduous, evergreen, shoot, fruit, earth, seeds, leaves, flowers, weather types: rain, hail, snow, ice, frost, sun, showers, wind, reproduce, babies/adults, life cycles, birds, insects, cold, warm, hot, sunrise, sunset		Shadow, light, flames, opaque, block, direction, light, travels, shortest, longest, highest, torch, shape, similar, transparent, translucent, light source, sun, object daytime, night-time, reflect, shine, shiny, absorb, reflective surface, surface, mirror, sundial, block, lamp	
Enquiry and Investigation		The seasons and weather are spoken about throughout the year when doing the calendar in the mornings. Curiosity cubes containing various objects from different seasons - WS promotes observational skills,	Observing changes - Art work and observational drawings Season fieldwork - exploring outside Observing changes in nature across the four seasons		Test the reflectivity of different materials- Investigate which material would be best for the reflective strip on a new book bag. What do all reflective materials have in common?	

		<p>recording and asking questions.</p> <p>Aut 2- Winter Festivals Investigating changing materials. Changes in seasons WS - using senses to observe/being curious and starting to ask questions.</p>	<p>Observe and describe weather associated with the four seasons and how day length varies</p> <p>Su 1 HFL Task Investigation - To investigate how much rain falls in a week and whether this is what is expected for the time of the year WS - with guidance identifies things to measure, uses simple measurements and equipment to gather data, observes over time, presents their findings</p>		<p>Investigation into how shadows change when the distance between the object and the light source changes. Explore how shadows change throughout the day- Draw around a pupil's shadow at different times in the day and observe any changes WS - Carefully observing and accurately measuring, Setting up fair tests (with help), choosing equipment and how to set out results</p>	
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WS- Working scientifically.