



Year 1, Term 1B

Physical Processes: Light & Dark and Seasons (Light is a Year 3 topic. Where it is deemed to be developmentally appropriate, specific sections of this topic are delivered earlier than detailed in the NC Programme of Study. This topic provides opportunities for cross-curricular learning, specifically links with Bonfire Night, Diwali and Christmas, as well as Seasonal Changes (a Year 1 topic).	
Programme of study	Learning Intentions
The unit develops children's understanding of the need for light in order to see things. Children learn that darkness is the absence of light. In the absence of sunlight other light sources are seen more easily. Children will observe and talk about changes in the weather and the seasons	I will show my teacher what I know about light, dark. I will know that the sun is the light source for the Earth. If light from the sun is blocked it gets darker.
End of Year Expectations	I will know about day and night.
Pupils should be taught to: <ul style="list-style-type: none">observe and name a variety of sources of light, including electric lights, flames and the SunAssociate shadows with a light source being blocked by something. Pupils should be taught to: <ul style="list-style-type: none">observe changes across the four seasonsobserve and describe weather associated with the seasons and how day length varies.	I will know that sources of light show up best at night-time. I will know that when an object is see-through it is transparent. I will know that when light cannot pass through objects shadows are made. I will name the four seasons. I will describe each season.
Vocabulary	I will describe Winter.
Words and phrases related to light and dark: <i>Bright, light, dark, black, night, day, reflect</i> Names of light sources: <i>Torch, warning light, sun, candle, lantern</i> Words and phrases used to make comparisons: <i>Bright, brighter, brightest</i> Words relating to seasons: seasons, spring, summer, autumn, winter, month, day, night, earth, sun, hibernate, migrate	I will describe the weather. I will measure and record weather. I will know that the weather changes during the four seasons. I will know that the days are longer in the summer than the winter I will know that some animals hibernate through the winter and that some animals migrate. <i>The following lesson is to be delivered only once the previous content is embedded securely.</i> I will know that shiny surfaces reflect the light (link with Christmas decorations)