**Year 1 Summer 2 – Seasonal Changes – Wonderful Weather**

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| **Learning objectives for this topic** | **Key vocabulary** |
| National Curriculum Science Outcomes:  **Content (1SC)**  i. observe changes across the four seasons  ii. observe and describe weather associated with the seasons and how day length varies  **Working Scientifically (KS1 WS)**  i. asking simple questions and recognising that they can be answered in different ways  ii. observing closely, using simple equipment  iii. performing simple tests  iv. identifying and classifying  v. using their observations and ideas to suggest answers to questions  vi) gathering and recording data to help in answering questions  **What do we know about weather?**  Consider what they already know about weather and generate questions  Go outside and look at the weather, observe the temperature, wind etc  Apply their understanding by the dressing up of a teddy appropriately for weather conditions  Show their understanding, and ability to use their observations, by devising their own weather forecasts  Weather Watching  To observe, record and discuss the weather  To understand how the observed weather is typical (or not) of the weather for the season  To create a collage of the current season, weather and wildlife and compare to other seasons in the year  **Shadow Fun**  To understand that the day length changes each day and varies from season to season  To investigate shadows and their shapes  Consider the questions: Does my shadow always look like that? What was it like first thing in the morning? Is it better to play shadow tag at lunchtime or after school?  **Setting up a weather station: measuring rainfall**  To consider what effect rain has on us and our daily lives  To design and make a weather station  To record the rainfall over a period of time  To make predictions about the results from the rainfall gauges  To use the scientific vocabulary: weather, rainfall, precipitation, data  Setting up a weather station: measuring wind direction  To make a wind sock to measure wind direction  To observe and record wind direction over time and notice patterns between rainfall and wind, and changes in direction    To use the scientific vocabulary: wind, direction, gauge, patterns, data  **Setting up a weather station: make a thermometer box**  To consider warm and cold weather and measure temperature  To understand air temperature changes across the seasons  To make a thermometer box to use outside to measure temperature  To use the scientific vocabulary: wind, direction, gauge, patterns, data | rain, snow, storm, thunder, lightning, warm, cold, forecast, summer, autumn, winter, spring, seasons  shadow, sun, earth, spin, day, night, light, dark  weather, rainfall, precipitation, data  wind, direction, gauge, patterns  temperature, thermometer |