**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 seasonsii. 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 waysii. observing closely, using simple equipmentiii. performing simple testsiv. identifying and classifyingv. using their observations and ideas to suggest answers to questionsvi) gathering and recording data to help in answering questions**What do we know about weather?**Consider what they already know about weather and generate questionsGo outside and look at the weather, observe the temperature, wind etcApply their understanding by the dressing up of a teddy appropriately for weather conditionsShow their understanding, and ability to use their observations, by devising their own weather forecastsWeather WatchingTo observe, record and discuss the weather To understand how the observed weather is typical (or not) of the weather for the seasonTo 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 seasonTo investigate shadows and their shapesConsider 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 livesTo design and make a weather stationTo record the rainfall over a period of timeTo make predictions about the results from the rainfall gaugesTo use the scientific vocabulary: weather, rainfall, precipitation, dataSetting up a weather station: measuring wind directionTo make a wind sock to measure wind directionTo 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 seasonsTo make a thermometer box to use outside to measure temperatureTo use the scientific vocabulary: wind, direction, gauge, patterns, data | rain, snow, storm, thunder, lightning, warm, cold, forecast, summer, autumn, winter, spring, seasonsshadow, sun, earth, spin, day, night, light, darkweather, rainfall, precipitation, datawind, direction, gauge, patternstemperature, thermometer |