

| Year 1 – (Energy) Seasons and how they change                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                |                                                                                                                                             |
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| Working Scientifically                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sticky Knowledge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Linked Texts                                                                                                                                                                   | Key Scientists                                                                                                                              |
| <ul style="list-style-type: none"><li>- Recall and use specific scientific vocabulary accurately (year group key vocabulary).</li><li>- Ask simple questions and recognise answer many differ, use simple secondary sources.</li><li>- Observe closing, using simple equipment.</li><li>- Use their observations and ideas to suggest answers to questions.</li><li>- Gather and record data to help in answering questions.</li><li>- Record and communicate findings using simple scientific vocabulary.</li></ul> | <ul style="list-style-type: none"><li>• Weather can change</li><li>• There are lots of different types of weather: Rain, Sun, Cloud, Wind, Snow, etc</li><li>• Days are longer and hotter in the summer</li><li>• Days are shorter and colder in the winter</li></ul> <p>There are four seasons: Spring, Summer, Autumn, Winter</p>                                                                                                                                                                                                                                                                                                                                                                         | <p>Tree: Seasons Come, Seasons Go<br/>(Patricia Hegarty and Britta Teckentrup)</p> <p>One Year with Kipper<br/>(Mick Inkpen)</p> <p>After the Storm<br/>(Nick Butterworth)</p> | <p>Dr Steve Lyons<br/>(Extreme Weather)</p> <p>Holly Green<br/>(Meteorologist)</p> <p>Jim Cantore<br/>(Meteorologist and storm tracker)</p> |
| Key Question(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Key Question(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WS vocabulary                                                                                                                                                                  |                                                                                                                                             |
| <p>Can you name the four seasons in UK, in order starting with Spring?</p> <p>How is the weather usually different in Summer than in Winter?</p> <p>What is different about the length of day in Summer to Winter?</p> <p>If I was wearing a jacket, carrying an umbrella and wearing wellies, which season would I be in? Explain why.</p> <p>What would happen if there was too much rain?</p> <p>What would happen if there wasn't enough rain?</p>                                                               | <p>Why do more frequent days of rain saturate the ground?</p> <p>How long does it take for the ground to dry after it has been raining?</p> <p>Does more rain take longer to dry?</p> <p>Do countries with higher temperatures have less rain?</p> <p>How does rainfall and temperature change over time in our school grounds?</p> <p>Which leaf is the strongest/best shade cover/best at directing water?</p> <p>What do you notice about different leaves?</p> <p>What purpose to leaves serve for a tree?</p> <p>Why do you think leaves turn brown in Winter?</p> <p>What colours can we find outside? Does this change across the seasons?</p> <p>What effect does rain have on the environment?</p> | <p>Investigation, enquiry, what to change, what we used, what we did, what we found out, chart, table, group, compare, observe, sort, classify, record, accuracy, test</p>     |                                                                                                                                             |

## Teaching suggestions in Enquiry types

| <u>Comparative tests</u>                                                                                                               | <u>Identify &amp; Classify</u>                                                                                                                                   | <u>Observation over time</u>                                                                                                                   | <u>Pattern Seeking</u>                                                                                                             | <u>Research</u>                                                                                                                                                | <u>BIG Question – Problem solving</u>                                                                                                                                                                          |
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| <p><b>In which season does it rain the most?</b></p>  | <p>How could you organise all the objects in the solar system into groups?</p>  | <p>How does the colour of a UV bead change over the day?</p>  | <p>Does the wind always blow the same way?</p>  | <p>Are there plants that are in flower in every season? What are they?</p>  | <p>What is it like in Winter, Spring, Summer and Autumn?</p> <p>(Also use EXPLORIFY)<br/><u>Assessment Opportunity</u></p>  |