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| ***Words to know and spell (Tier 2 Vocabulary)*** |
| Change | Season | Summer |
| Winter | Autumn | Spring |
| Day | Night | Weather |
| Wind | Rain | Snow |
| Hail | Sleet | Fog |
| Sun | Hot | Warm |
| Cold | Months of the year |  |

 ** Year 1 and 2 – Science KCV – Seasonal Changes**

• Ask simple questions and recognise that they can be answered in different ways.

• Observe closely, using simple equipment.

• Perform simple tests.

* • Identify and classify.

• Use my observations and ideas to suggest answers to questions.

• Gather and record data to help in answering questions.

***Key skills to do:***

• Know that science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments (retrieval)

• Know that days are longer in the summer and shorter in winter

• Know that weather changes through the year, getting hotter in the summer and colder in the winter

• Know that the four seasons are spring, summer, autumn and winter and know the order of the cycle

• Know that the winter is likely to bring ice on the ground when water freezes due to the cold

• Know that the Earth orbits the Sun with one orbit constituting a year of 365/366 day

***Key facts to learn:***

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| ***Words to understand and spell (Tier 3 Vocabulary)*** |
| **Orbit** | A repeating path that an object in space takes around another object.  |
| **Reflection** | The return of light from a surface. |
| **Spring** | The season after winter and before summer.  |
| **Summer** | Typically the warmest season of the year. |
| **Autumn** | The season after summer and before winter. |
| **Winter** | Typically the coldest season of the year. |

***Concept check questions. Test yourself:***

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| What is the weather like at different times of the year?What impact does the weather have on our plants?What impact does the weather have on animals?Why do you think that the weather changes? |
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| **Opportunities for Investigation:** |
| **Observing over time:** How does my sunflower change over the week?**Observing over time:** Which month of year have we had the most rainfall? |

**Year 1 – Science – Heyford Park School**

**Year 1 – Science – Autumn 1 – Heyford Park School**

**Year 5 – Science – Autumn 1 – Heyford Park School**