



Subject	Term	Unit
Science- Year 1	Summer	Seasonal changes

### Intent

At Hurst Hill, we nurture young scientists by fostering curiosity and developing strong scientific knowledge and enquiry skills. Children learn to investigate, observe and evaluate confidently, understanding how science shapes the past, present and future while building firm foundations for lifelong scientific learning.

Prior knowledge	National Curriculum
<ul style="list-style-type: none"> <li>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul> <p>Children have completed work on Autumn and Winter earlier in the year.</p>	<ul style="list-style-type: none"> <li>observe changes across the 4 seasons</li> <li>observe and describe weather associated with the seasons and how day length varies</li> </ul>

<b>What?</b>	To look at the changes in the weather that have happened during the Spring and Summer.
<b>Why?</b>	Children need to have an understanding of why the seasons change throughout the year. This is a fundamental skill needed to access work in later science work and in the geography curriculum.
<b>How?</b>	Through observation of the weather outside. Through discussion and collection of information.

### Vocabulary

<b>Autumn</b>	The <b>season</b> between <b>summer</b> and <b>winter</b> when the <b>weather</b> becomes colder and the leaves fall off the trees.
<b>Blossom</b>	The flowers that appear on a tree before the fruit.
<b>Day length</b>	The amount of time where there is <b>daylight</b> .
<b>Daylight</b>	The natural light that there is during the day before it gets dark.

<b>Deciduous</b>	A tree that loses its leaves in the <b>autumn</b> every year.
<b>Holiday</b>	A period of time during which you relax.
<b>Hot</b>	Something that has a high <b>temperature</b> .
<b>Months</b>	One of the twelve periods of time that a year is divided into.
<b>Nature</b>	The animals, plants and other things in the world that are not made by people.
<b>Rain</b>	Water that falls from the clouds in small drops.
<b>Season</b>	The main times of year that can be divided up by the typical types of <b>weather</b> that take place.
<b>Slightly</b>	A little bit.
<b>Spring</b>	The <b>season</b> between <b>winter</b> and <b>summer</b> when the <b>weather</b> becomes warmer and plants start to grow again.
<b>Summer</b>	The <b>season</b> between <b>spring</b> and <b>autumn</b> when the <b>weather</b> is usually <b>warm</b> or <b>hot</b> .
<b>Sunny</b>	When the sun is shining brightly.
<b>Temperature</b>	A measure of how hot or cold something is.
<b>Warm</b>	When there is some heat, but not enough to be <b>hot</b> .
<b>Weather</b>	What the sky and air outside are like, such as cold or <b>sunny</b> .
<b>Windy</b>	When the wind is blowing.
<b>Winter</b>	The <b>season</b> between <b>autumn</b> and <b>spring</b> when the <b>weather</b> is usually cold.

Objective	
Objective	Learning
Can I name the seasons?	<b>Identifying and Classifying</b> <ul style="list-style-type: none"> <li>● Autumn – September, October, November;</li> <li>● Winter – December, January, February;</li> </ul>

- Spring – March, April, May;
- Summer – June, July, August.

Remind children of the different seasons throughout the year. Ask the children to recall what we learnt at the start of the year about Autumn and Winter.

**Can I explain the weather associated with Spring?**



**Pattern Seeking**  
 As the season change from winter to spring, it gets warmer and the temperature begins to rise. The weather may be slightly sunny but still a little windy some days. Plants start to grow and trees begin to get leaves. Animals like rabbits and chickens have babies in the Spring. Explain that the days get longer in the months of Spring.

**Can I explain the weather associated with Summer?**

**Pattern Seeking**  
 As the season change from spring to summer, it gets warmer still – this is because the temperature has risen. The weather may be hot and sunny, and there may not be many clouds in the sky. The days are longest in June. Trees will have all their leaves and flowers will be in full bloom. There may be more insects in the Summer. Go outside and look for signs of Summer.

**Can I explain the changes we see in the park from early spring to summer to winter?**

**Observing Over Time**  
 As the temperature gets warmer in springtime, leaves begin to appear on deciduous trees, with some trees beginning to blossom, and many plants will begin to grow. The people who visit the park are most likely to be wearing clothes that will keep them cooler, such as t-shirts and shorts. Because there are lots of sunny days and very few clouds in the summertime, people will need to wear sun hats, sunglasses and sun cream to keep them safe from the strong heat of the Sun. Based on everything you now know about the seasons, what will happen to the park and the people in it as summer ends and autumn and winter begins? Why? Draw the park at different times of the year showing the trees and what people might be wearing.

**Can I explain how the weather changes over a week?**

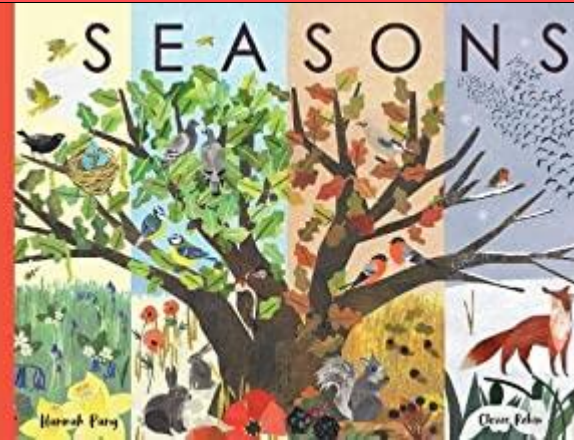
**Observing Over Time**  
 What types of weather are likely to change during the day? Will it always be sunny, or will it always be raining? Will it always be windy? How much of the sky will be covered by cloud? What is the temperature? How will you be able to record each type of weather, and when will you do this? Do you think you have to do it at the same time every day? Why/why not? Do you think you'll have to do it more than once a day? Why/why not? Over the week record the weather- sunny, cloudy etc and measure the rainfall collected over the week. Was it what we expected?

	What would it be like in the winter?
<p><b>Can I find out the sunrise and sunset times today?</b></p>	<p style="text-align: center;"><b>Observing Over Time</b></p> <p>During the spring and summer months, the days become longer, and the nights become shorter. Summer has the longest days and the shortest nights of all the seasons. How could you find out the time of the sunrise and sunset where you live every day? Based on everything you now know about the seasons; do you think the sunrise will get earlier or later during the spring and summer? Why? Do you think the sunset will get earlier or later during those seasons? Why?</p> <p>Find out as class the time the sun rose today and the time it will set. How many full hours would that be? Repeat for other seasons and compare. Which season gets the most hours of daylight?</p>

### Websites

- <https://www.stem.org.uk/resources/community/collection/13195/year-1-seasonal-changes>
- <https://www.ase.org.uk/resources/y1-seasonal-changes-ryan>
- <https://www.bbc.co.uk/bitesize/topics/zkvv4wx>

### Recommended Reads



### Golden Thread

Seasonal changes

