

Willerby Carr Lane Primary School - Science

Topic: Seasonal Change

Year: 1

Strand: Physics

What should I already know?

- The difference between hot and cold weather
- Played in snow eg made footprints, snowballs or in puddles
- Listened to stories at Christmas time set in winter and stories about a sunny day.
- Explored and handled wet and dry materials eg ice
- The names of the 4 seasons
- The weather changes with the season
- Some trees and plants change with the seasons

What will I know by the end of the unit?

What is weather like across the four seasons?

- Weather is the way the air and the atmosphere feels.
- It includes the outside temperature, strength of the wind, and whether it is raining, sunny, hailing, snowing, sleet, foggy, or cloudy.
- The weather changes regularly and tends to be different during different seasons and across different countries.
- That as the seasons change so does our outside environment and what we wear.

How does the length of day vary across the seasons?

- There are four seasons: Spring, Summer, Autumn and Winter.
- There are always 24 hours in a day.
- During winter there are less hours of daylight compared to a summers day which has more.

In the UK you might see:



Is the weather the same all over the world?

- We call the general weather trends and the extremes of weather in one place a 'climate'
- There are five different classifications of climate: polar, cold, temperate, dry and tropical.
- The UK has what is called a 'temperate' climate. A temperate climate is one that is not too extreme.

Vocabulary

climate	changes in temperature over time
hail	frozen rain
observe	to look carefully at something to see if changes happen
overcast	the sky is covered in clouds
precipitation	any kind of weather that falls from the sky eg rain, sleet, snow
rainfall	air goes over the sea and then mountains. the moisture goes up into the sky and forms clouds. the water falls as rain.
rainfall gauge	a tool to measure the amount of rain that falls.
season	our planet experiences 4 seasons every year autumn winter spring summer
sleet	halfway between rain and snow
temperate	in Great Britain the weather and the temperature stays quite moderate.
temperature	a measure of how hot or cold something is
thermometer	a tool that measures how hot or cold something is

Investigate!

- The weather conditions over a week
- How much rain falls in a week
- Do a weather report using a map and symbols
- Measure the temperature changes in a week
- Over an academic year go on seasonal walks and observe the changes around the school grounds

Common misconceptions

Some children may think:

- it always snows in winter
- it is always sunny in the summer
- there are only flowers in spring and summer
- it rains most in the winter

Weather symbols

Sunny 	Cloudy 	Heavy rain 
Heavy sleet 	Heavy sleet showers 	Heavy snow 
Light rain 	Overcast 	Rain showers 
Sleet showers 	Snow showers 	Sun with grey clouds 
Heavy rain showers 	Heavy snow shower 	Scattered clouds 
Sun with light clouds 		

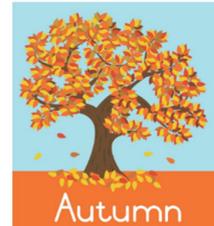
Seasons

December • January • February



Summer

March • April • May



Autumn

June • July • August



Winter

September • October • November



Spring