

Science Knowledge Organiser

Southwold Primary School



Topic: Seasonal Changes

Year: 1

Strand: Biology

What should I already know?

- A year is made up out of four seasons: **Spring**, **Summer**, **Autumn** and **Winter**.
- Different plants have flowers at different periods of the year, some trees lose their leaves in Autumn.
- Our environment changes throughout the year.

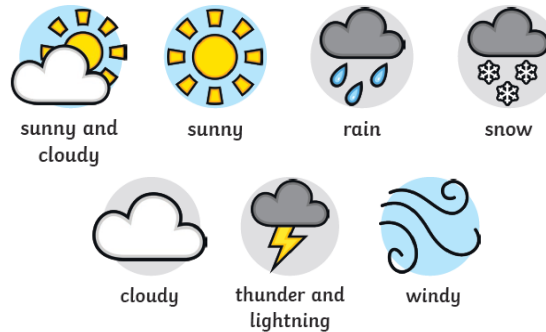
What will I know by the end of this unit?

- In England, the days are longest in Summer and shortest in Winter.
- The weather is different in different parts of the world.
- Usual weather per seasons are:
 - Winter** (cold, wet, can have moments of frost and snow)
 - Spring** (getting warmer, more rain)
 - Summer** (warm/hot days, less rain)
 - Autumn** (cooler, rainy and windy)
- We can measure how hot it is with a thermometer.
- Climate change** can have an extreme effect like flooding, draughts, forest fires, etc. and is caused because humans have changed the atmosphere around the earth.

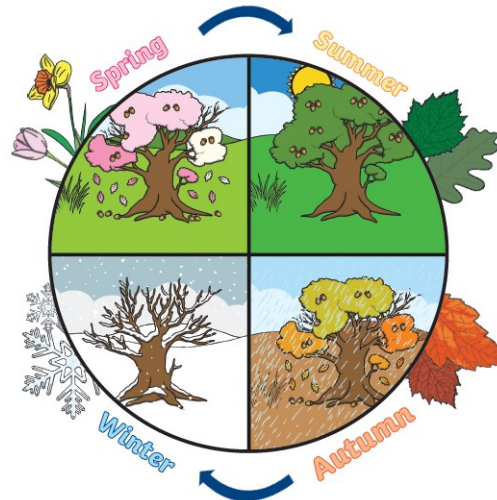
Working Scientifically

- Observe change over time.
- Draw observational representations the weather and its effect.
- Use simple tools to measure temperature, the length of the day etc.

Weather symbols



Four Seasons in one year



Vocabulary

seasons	Periods of time with the same weather type. In England, we have four seasons.
winter	The season with cold, wet weather, sometimes freezing and/or snow. Short days, long nights.
spring	The season with warmer days, can have lots of rain. Days are getting longer.
summer	The season with warm weather, often dry. The days are the longest and the night the shortest.
autumn	The season with more rain and sometimes very windy. It's getting colder.
weather	How we experience outside (e.g. rainy, windy, sunny, cloudy, snowy, frosty, etc.)
thermometer	A tool for measuring how hot or cold it is.
sunset	The time when the sun goes down.
sunrise	The time the sun comes up.
climate change	When the usual weather patterns change because humans have made changes to the atmosphere (the layer around the earth).

One example of climate change: it is getting warmer on the Poles of the

100 years ago



Today

