

## Year 1- Seasonal Changes- Knowledge organiser

Pupils should be taught to:

- observe changes across the 4 seasons
- observe and describe weather associated with the seasons and how day length varies

### Vocabulary

Earth- planet on which we live.	Season- four divisions of the year marked by weather patterns.	Weather- state of atmosphere at a particular place.	Symbol: Used to show a certain weather condition.	Temperature: Amount of heat in a certain area.	Windy- strong wind (movement of air)	Rainy- period of rainfall (moisture of atmosphere seen in drops of water)	Cloudy- covered by clouds (collection of water in the sky)
Sunny- bright with sunlight (from the sun)	Foggy – Fog (thick water droplets)	Stormy- with rain, snow or thunder and lightning	Warm- Medium temperature	Cold- low temperature	Sunset- the time in the evening when daylight fades. As the sun moves beyond the horizon.	Sunrise- the time in the morning when full daylight arrives and the sun comes back into sight.	Sun- the star round which the earth orbits.

### **Knowledge: Day and Night**

1. The days are longer in the summer
2. The days are shorter in the winter
3. The weather changes through the year
4. The Earth tilts (leans) towards the sun in the summer.
5. The Earth tilts (leans) away from the sun in the winter.



**Knowledge: Spring**

**The weather starts to get warmer after winter.**

1. Flowers growing
2. Baby animals are born
3. Frogs spawn
4. Birds build nests.



**Knowledge: Summer**

**The warmest season of the year.**

1. Flowers fully grown
2. Insects around
3. Trees have lots of leaves
4. Frogs fully grown



**Knowledge: Autumn**

**The weather starts to get cooler after summer.**

1. Brown leaves on the ground
2. Squirrels start storing nuts
3. Hedgehogs hibernate



**Knowledge: Winter**

**The coolest season of the year.**

1. Frost and snow on the ground
2. Trees have no or only a few leaves
3. Animals sleep as there is a lack of food



**Websites to use:**

<https://www.stem.org.uk/resources/community/collection/13195/year-1-seasonal-changes>

<https://www.bbc.co.uk/bitesize/articles/zvfbgwx>

**Working scientifically skills:**

Observation over time- choose a tree or area outside and then decide on a date that you and the class will go outside and check this one place every month. Draw and write about the changes over time.

Observation over time- record the air temperature over the year. Remember to leave the thermometer outside for half an hour before recording the result.