

# Year 1 Science Knowledge Organiser - Seasonal Changes

## 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.**

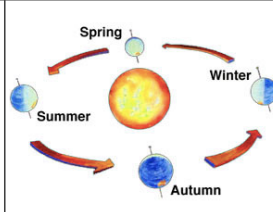
1. Frost and snow on ground
2. Trees have no or only a few leaves
3. Animals sleep as there is a lack of food



## 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



## Vocabulary

1. Earth	Planet on which we live.
2. Season	Four divisions of the year marked by weather patterns.
3. Atmosphere	Envelope of gases surrounding Earth.
4. Weather	State of atmosphere at a particular place.
5. Symbol	Used to show a certain weather condition.
6. Temperature	Amount of heat in a certain area.
7. Windy	Strong wind (movement of air)
8. Rainy	Period of rainfall (moisture of atmosphere seen in drops of water).
9. Cloudy	Covered by clouds (collection of water in sky).
10. Sunny	Bright with sunlight (light from the sun).
11. Foggy	Fog (thick water droplets).
12. Stormy	With rain, snow or thunder and lightning.
13. Cold	Low temperature.
14. Warm	Medium temperature.
15. Hot	High temperature.
16. Shorter	Smaller length of time.
17. Longer	Greater length of time.
18. Tilt	Sloping position.

**Did you know...** Some trees remain green in all four seasons. These trees are called evergreen trees.

## Can you describe the hours of daylight, rainfall and temperature of each season?

Month	September	October	November	December	January	February	March	April	May	June	July	August
Daylight	13 hours	11 hours	9 hours	8 hours	8 hours	10 hours	12 hours	14 hours	15 hours	16 hours	16 hours	14 hours
Temperature	18°C	14°C	9°C	7°C	6°C	7°C	9°C	12°C	16°C	19°C	20°C	20°C
Rainfall	70mm	92mm	88mm	88mm	83mm	60mm	64mm	59mm	58mm	62mm	63mm	70mm