

Key Stage One - Forest Academy  
Science Knowledge Organiser - Weather and Seasons

*Know how to...*

- Observe changes across the four seasons
- Describe weather associated with different seasons
- Observe how daylight varies during different seasons

*Weather Symbols:*



sunny



rain



fog



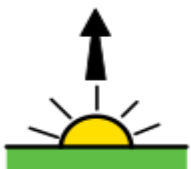
thunder &  
lightning



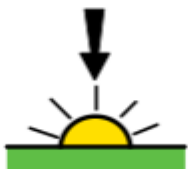
snow



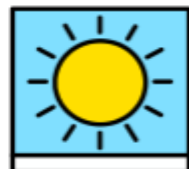
cloudy



sunrise



sunset



daytime

*Key Vocabulary:*

*Daylight*

Daylight is when it is light outside. The amount of daylight changes with each season.

*Deciduous*

Trees that lose their leaves in the autumn.

*Evergreen*

Trees which keep their leaves all year long.

*Seasons*

There are four seasons each year: autumn, winter, spring and summer.

*Sunrise*

When the sun first appears on the horizon.

*Sunset*

When the sun disappears below the horizons.

*Temperature*

Measure of hotness or coldness.

*Weather*

Weather is the way the air and the atmosphere feel. It includes the outside.

## Seasons

There are four seasons: **spring, summer, autumn** and **winter**.  
The length of a day varies depending on the season.

Autumn: **September, October and November**

- Temperatures drop.
- Birds migrate to warmer climates.
- Leaves change colour and fall from deciduous trees.

Winter: **December, January and February**

- The coldest time of year.
- We sometimes see snow, frost in the morning, sleet, blizzards, and hail.
- Water freezes to ice.
- Some animals including hedgehogs and tortoises hibernate.

Spring: **March, April and May**

- Temperatures rise and the earth starts to warm up.
- Flowers begin to grow.
- This season is associated with rebirth and growth, some baby animals are born (e.g. lambs, chicks)

Summer: **June, July and August**

- The hottest time of the year.
- There is usually sunshine, generally dry weather but there may be thunderstorms too!
- Flowers and trees are in bloom.

## Day Length



Another seasonal change is the amount of daylight hours we have each day. You may have noticed in the autumn and winter it gets darker earlier than in the spring and summer.

| Table showing the number of hours of daylight on days in the middle of each season |    |
|------------------------------------------------------------------------------------|----|
| Spring                                                                             | 11 |
| Summer                                                                             | 16 |
| Autumn                                                                             | 11 |
| Winter                                                                             | 7  |