



## Jerry Clay Academy Subject Unit Overview



Subject: Science (Seasonal Changes) Year Group: 1 Term: Autumn/ Spring / Summer

### Core Learning of This Unit:

- To know that weather is the way the air and the atmosphere feels.
- To learn about the four seasons: Spring, Summer, Autumn and Winter
- To know that we call the general weather trends and the extremes of weather in one place a 'climate'.
- To explore that when something blocks light travelling from a source, a shadow is made
- To know that colder weather comes in Autumn and Winter and warmer weather comes in Spring and Summer.

### Prior Learning:

EYFS: Similarities and differences in relation to places, objects, materials and living things.

Children should have knowledge of hot and cold.



### National Curriculum Statements:

Pupils should be taught to:

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

### Key Vocabulary:

- **seasons**-in the UK there are four seasons each year.
- **Autumn**-fruits and crops are ready to eat and are picked and leaves fall.
- **Winter**-when the weather is the coldest.
- **Spring**-the weather starts to get warmer, leaves and plants begin to grow and flowers appear.
- **Summer**-the weather starts to get hotter, daytime is long and the nights are short, and trees are full of leaves.
- **weather**: including sun, wind, rain, cloud, snow, sunny intervals and thunder storm.
- **daylight**-when it is light outside.
- **temperature**-the measured amount of heat in a place.
- **thermometer**-a device used for measuring temperature.
- **rain gauge**-a device for measuring how much rain falls.
- **weather vane**-a device that turns to show which way the wind is blowing from.
- **windsock**-a tube of cloth that shows the direction of the wind at an airport.
- **hibernate**-to spend the Winter sleeping.
- **migrate**-when an animal travels to a different place when the season changes.
- **adapt**-to change to suit different conditions.
- **blossom**-when a tree or plant produces flowers before producing fruit.
- **buds**-a small part of a plant that develops into a flower or leaf.
- **seedlings**-a very young plant that has grown from a seed.
- **data**-information that can help us to answer questions.

### Significant People

Anders Celsius was a Swedish astronomer and physicist. He published a collection of observations of the aurora borealis and built the Uppsala Observatory. He also invented the Celsius (or centigrade) thermometer scale

Weather forecasters will also be relevant to this topic.