

# Ideas Organiser: Our Wonderful World



## Key Knowledge:

### Our Weather

The weather in the **United Kingdom** can change from day to day. The four **seasons** have particular weather patterns. You could keep a weather diary by measuring the **temperature** (using a **thermometer**) and **recording** your **observations**.





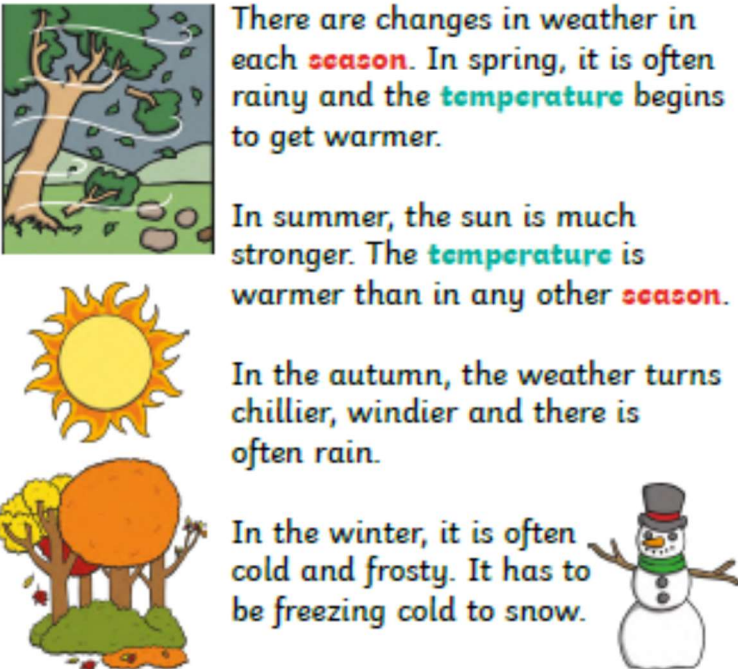
### Seasonal Changes

There are changes in weather in each **season**. In spring, it is often rainy and the **temperature** begins to get warmer.

In summer, the sun is much stronger. The **temperature** is warmer than in any other **season**.

In the autumn, the weather turns chillier, windier and there is often rain.

In the winter, it is often cold and frosty. It has to be freezing cold to snow.



### How the Weather Affects Us

The weather **affects** what we do and what we wear. If it is rainy, we wear **waterproof** clothes when we go outside.

If it is hot, we need to wear sun cream and a sun hat.



## Vocabulary and background knowledge:

### Weather:

|                         |                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|
| <b>weather forecast</b> | A prediction of what the weather will be like in the future.                      |
| <b>symbols</b>          | Pictures or signs that help us understand something.                              |
| <b>drought</b>          | When there is no rainfall for a long time.                                        |
| <b>flooding</b>         | When usually dry land is covered with a large amount of water.                    |
| <b>blizzard</b>         | A very heavy snowstorm with high winds.                                           |
| <b>heatwave</b>         | Unusually hot weather over a long period.                                         |
| <b>hurricane</b>        | A storm with extremely strong winds.                                              |
| <b>climate</b>          | The usual weather conditions of an area.                                          |
| <b>seasons</b>          | The year is divided into four <b>seasons</b> : spring, summer, autumn and winter. |

### Seasons:

**Autumn** the weather begins to get colder, leaves start to fall off trees and the amount of daylight becomes less. Days are shorter, nights are longer.

**Winter** The weather is much colder, sometimes it is cold enough to freeze, leave frost or ice. Sometimes it snows, trees have bare branches and daylight hours are the shortest.

**Spring** The weather starts to get warmer, The leaves begin to grow on trees and flowers start to blossom. Plant starts to grow and you may see baby animals. Daytime gets longer.

**Summer** Days get longer and nights get shorter. The weather gets hotter. The trees are full of leaves and lots of insects fly around. Summer has the longest days.

**Weather** The weather includes temperatures outside, the wind direction and strength, as well as snow, rain, cloud and sun.

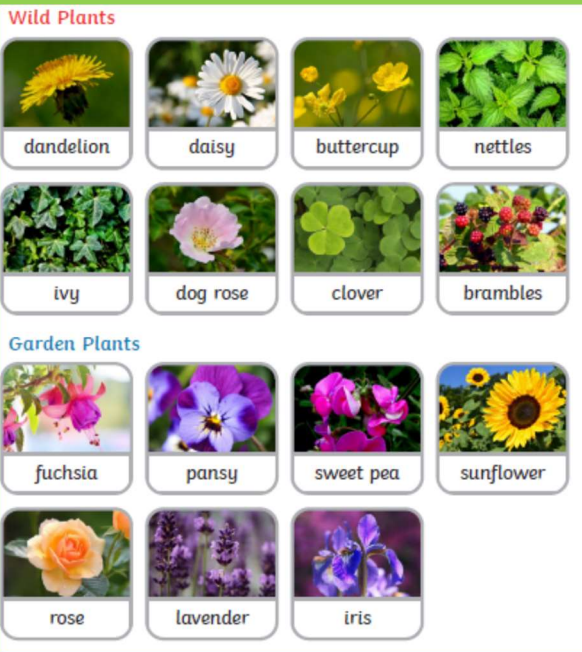
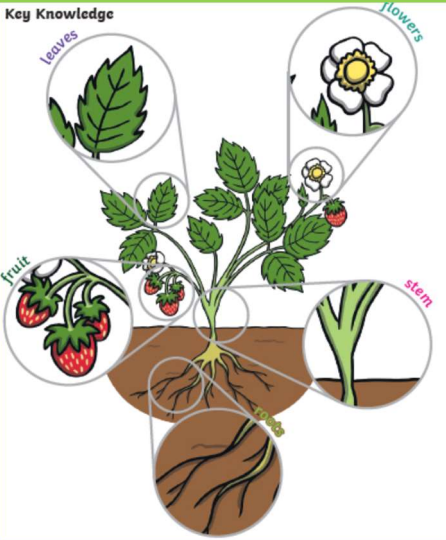
### Daylight

Is when it is light outside. The amount of daylight changes with the season.

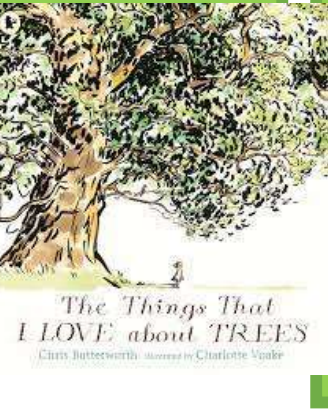
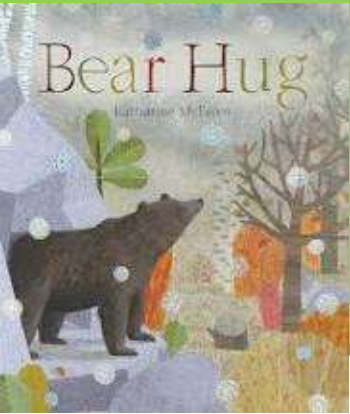
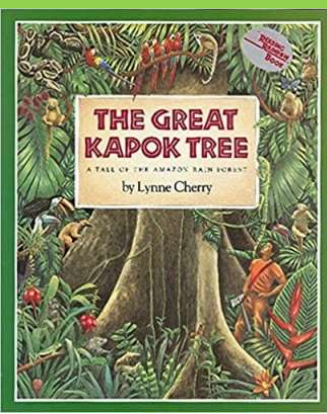
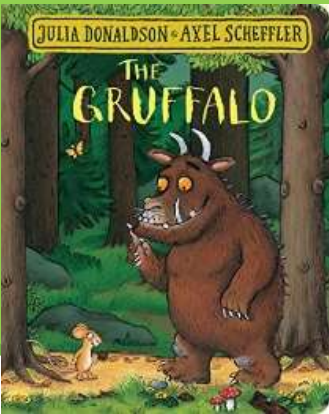
## Recommended Reads:



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## Recommended Reads:



## Vocabulary and background knowledge:

|                 |                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------|
| Wild Plants     | A seed that grows where it falls. It doesn't get planted or cared for as it grows.            |
| Garden Plants   | Plants people chose to grow in their gardens, they tend to them and look after them.          |
| Roots           | Part of the plant that takes in nutrients and water from the soil.                            |
| Stem/trunk      | Holds the plant or tree up and carriers the water and nutrients from the roots to the leaves. |
| Leaves          | Catch sunlight and make energy.                                                               |
| Seeds and bulbs | New plants grow from these.                                                                   |
| Amphibians      | Animals that live in the water as a baby but on land as they grow older.                      |
| Birds           | Birds have two legs, a beak, feathers and wings.                                              |
| Fish            | Animals that live and breathe under water. They have fins and scaly skin.                     |
| Mammals         | Animals that breathe air, grow hair or fur and feed from their mother.                        |
| Reptiles        | Animals that breathe air and have scaly skin.                                                 |
| Carnivore       | Animals that eat meat only.                                                                   |
| Herbivore       | Animals that eat plants only.                                                                 |
| Omnivore        | Animals that eat meat and plants.                                                             |

### Making Links:

#### **D&T:**

**Making a Weather Vane**

**Making a bird feeder**

#### **English:**

**Write a weather report & perform weather reports**

**Write a narrative – Squirrel Hug**

#### **Maths:**

**Measuring length of plants and animals**

#### **PSHE:**

**Connect with nature, being responsible – planet responsibility**

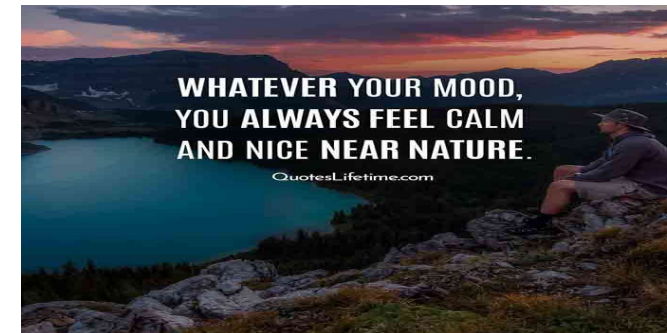
### British Values

**Mutual Respect** – Respecting our environment and nature, looking after our environment to reduce climate change across the globe

**Tolerance** – understand other people's opinions on the best season/weather



### Values & attitudes we can always show in this project:



**The World beyond our doorstep...**

### **Quality Outcomes & Experiences:**

- Create own weather station
- Write a weather report
- RSPB Big Bird Watch
  - Make a bird feeder
  - Trip to Rand Farm
- Grow own plants for outdoor area

Local

- Changes in seasons and day light hours - what is our daily weather like?.

National

- Why do we have to change our clocks?

International

- What is happening in the world because of climate change?