

## Perton Primary Academy Knowledge Organiser

Science Topic: Seasonal Changes

Year Group: 1

### Overview:

In this project children learn about the seasons, seasonal changes and typical seasonal weather. They learn about measuring the weather and the role of a meteorologist. Children begin to learn about the science of day and night and recognise that the seasons have varying day lengths in the UK.

### Opportunities to develop working scientifically:

- Gathering and recording in a table (wind speed / temperature)
- Classifying and sorting according to the seasons

### Key vocabulary:

- Seasons
- Spring, summer, autumn, winter
- Deciduous / evergreen
- Hibernate
- Day / night
- Earth
- Sun
- meteorologist

### Prior Learning:

EYFS - UTW - seasons

### Future Learning:

Y1 Rain & Sunrays (art)

### Key knowledge:

#### Seasons

Children will learn that there are 4 seasons: spring, summer, autumn and winter. They will predict what they might see or experience in each season.

They will learn about the months associated to each season and how the weather may differ between them.

Children will learn about the different events that may occur in each season, exploring hibernation in animals and seasonal changes in different trees such as deciduous and evergreen.

#### Weather

Children will learn about the different weather patterns across the 4 seasons. They will observe, measure and record the wind speed

using the Beaufort Scale Children will also observe, measure and record the temperature using a thermometer.

Forecasting

Measuring

Temperature

### Day & night time

Day length / hours

Shortest day & longest day

### Memorable Learning Experiences:

Weather forecast

Seasonal walk

### Assessment Questions:

What are the four seasons?

What weather would you associate with \_\_\_\_\_ (season)?

Name one difference between an evergreen and deciduous tree.

Name one way we could measure an aspect of weather.

How does daytime change from summer to winter?

What time of year would there be more daylight?