

Seasonal Changes (Autumn and Winter)

Science | Year 1 | Unit Overview

Introduction

This 'Seasonal Changes (Autumn and Winter)' unit will teach your class about the four seasons, with a particular focus on autumn and winter. Children will learn what the word weather means and find out how different types of weather can be measured. Children will use a class weather station to observe measure and record the weather across the seasons. They will also observe changes across the seasons by exploring the signs of autumn and winter through nature and wildlife. A range of learning activities are used in this unit including observation, discussion and learning outside. Children also work scientifically by collecting, recording and interpreting simple data.



Health & Safety

Relevant risk assessments, in line with your school policies and procedures will need to be completed for lesson 3 where children go on a local area walk.



Home Learning

Seasons Wheel: In this task, children will create their own seasons wheel. They will label the seasons and draw relevant pictures to each season.

Senses Poem: In this task, children will choose either autumn or winter and draw a relevant picture. Children will then use this picture to write the writing frame to write a simple senses poem about their chosen season.

Assessment Statements

By the end of this unit...

...all children should be able to:

- name the four seasons
- name different types of weather
- make observations about the weather
- describe the weather associated with each season
- collect and record simple data
- make simple observations about changes across the seasons

...most children will be able to:

- interpret simple data
- name an event or occasion which happens in each season
- describe how day length varies between two seasons
- make a more detailed comparison between two seasons

...some children will be able to:

- interpret and identify patterns in simple data and begin to suggest explanations for this
- explain seasonal changes across the four seasons
- describe how day length varies across the four seasons
- make comparison across the four seasons

Lesson Breakdown

1. Seasons

To observe changes across the 4 seasons in the context of the weather.

- I can describe how the weather changes across the seasons.

To observe and describe how day length varies by exploring the average number of hours of day light in autumn.

- I can describe day length in autumn.

Resources

- pencils



2. Seasonal Weather (Autumn)

To observe and describe weather associated with the seasons by observing the weather in autumn.

- I can observe and describe the weather in autumn.

To gather and record data to help in answering questions by recording the weather, temperature, rainfall and wind direction in autumn.

- I can collect and record data about the weather in autumn.

- pencils



3. Autumn Walk

To observe changes across the 4 seasons by going on an autumn walk.

- I can identify signs of autumn.

- pencils
- clipboard per pair
- cameras/tablets (if available)
- Relevant outings and trips resources in line with your school policy and procedures, eg medication, first aid kit etc.



4. Autumn to Winter

To observe and describe how day length varies in the context of autumn to winter.

- I can describe how day length varies from autumn to winter.

To observe changes across the 4 seasons by looking at how trees and the clothes that we wear change from autumn to winter.

- I can identify changes in the trees and in clothes that we wear from autumn to winter.

- pencils



5. Seasonal Weather (Winter)

To observe and describe weather associated with the seasons by observing and recording the weather in winter.

- I can observe and describe the weather in winter.

To gather and record data to help in answering questions by recording the weather, temperature, rainfall and wind direction in winter.

- I can collect and record data about the weather in winter.

- pencils



6. Animals in Winter

To observe changes across the 4 seasons by exploring how some animals adapt to survive in winter.

- I can explain how some animals adapt in winter.

- rulers
- pencils
- colouring pencils

