



Hallcroft Infant & Nursery School

Science Knowledge Organiser



Autumn 1 - Year 1

Seasonal Change

What we already know, remember and can do:

This unit revises and builds on learning taught in EYFS

Development matters

- Explore the natural world around them.
- Describe what they see, hear and feel whilst outside.
- Understand the effect of changing seasons on the natural world around them.

Early learning goals

ELG: Understanding the world – The natural world

- Explore the natural world around them, making observations and drawing pictures of animals and plants.
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

	Learning Objective	Knowledge What children will know	Skills What children will do	Revisited Vocabulary	New Vocabulary
1	Learning Objective Knowledge - To identify how the weather changes across the four seasons	✓ To know the names of the four seasons. ✓ To name the twelve months of the year.	✓ To explore the world around me and raise my own simple questions. ✓ To use my senses to describe, in simple terms, what I notice or what has changed. ✓ To describe the expected weather patterns for each season.	Autumn Season Spring Summer Weather Winter	Symbol
2	Learning Objective Knowledge - To identify events and activities that take place in different seasons.	✓ To know the names of the four seasons. ✓ To know examples of appropriate clothing to wear in different weather conditions.	✓ To suggest what might happen, often justifying with personal experience. ✓ To sort activities and events into the correct seasons	Autumn Season Spring Summer Weather Winter	Diwali Lunar new year Easter

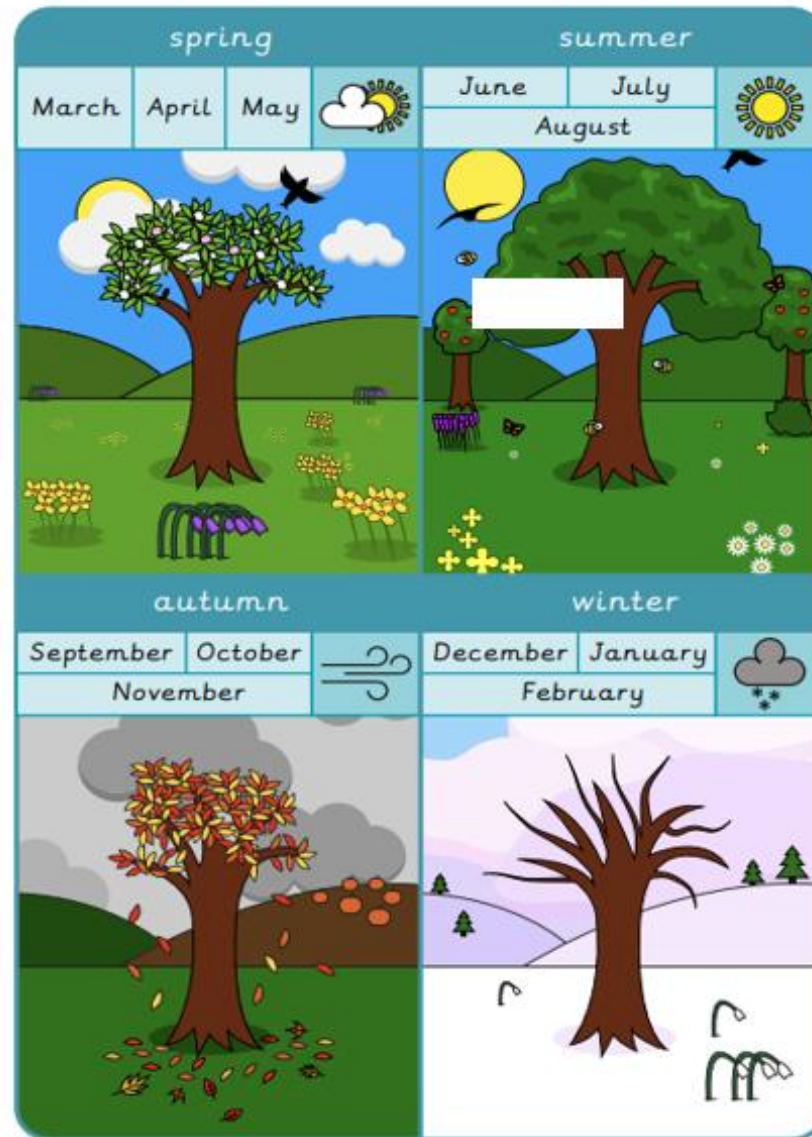
3	Learning Objective Knowledge - To recognise how trees change across the four seasons.	✓To know the names of the four seasons.	✓To describe the appearance of a tree's leaves in each season. ✓To ask simple questions about my observations.	Season Weather	Deciduous tree Evergreen tree Temperature
4	Learning Objective Knowledge – To recognise that daylight hours change across the four seasons. Working scientifically To record data in a pictogram.	✓To know which seasons have the most and fewest daylight hours.	✓To gather and record data. ✓To complete a pictogram. ✓To use a pictogram to answer questions.	Material Natural Season Weather	Predict Property Conclusion Data Pictogram Record Sunrise Sunset
5	Learning Objective: To observe changes across the four seasons. Working scientifically To gather and record data about how seasons change over time. Recap and recall:	✓To know that a thermometer is used to measure temperature.	✓To describe changes that take place in different seasons. ✓To record data about the temperature in different seasons. ✓To compare data collected over time.	record temperature	data predict thermometer
6	Learning Objective Knowledge – To plan and carry out a weather report.	Science in action ✓To know that a weather reporter uses scientific knowledge and methods in their job.	✓To suggest ways to prepare for different weather conditions. ✓To label the capital cities of each country in the UK. ✓To describe seasonal weather in the UK.	Season Weather	



Year 1 Science – Autumn 1 – Seasonal Changes



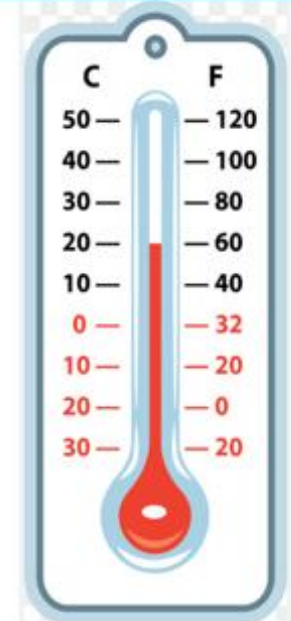
January
February
March
April
May
June
July
August
September
October
November
December



Which clothes would be appropriate for each season?



We use a thermometer to measure temperature.



A weather reporter uses scientific knowledge and methods in their job.

