



# St James' Church of England Primary School

## Science Overview Sheet



### Year 1 – Seasons (Autumn and Winter)



**Rationale:** 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

**Pre-unit task:** Knowledge Organiser Quizzes

**Working Scientifically:**

-*Making tables and charts* about the weather.

-*Making displays* of what happens in the world around them, including day length, as the seasons change.

*Additional suggestion from Lancashire for working scientifically opportunities which enhance learning and support using ICT across the curriculum*

-This unit provides an ideal opportunity for *using data logging equipment* to *record* temperatures..

**Statutory Requirements:**

- Observe changes across the four seasons .
- Observe and describe weather associated with the seasons and how day length varies.

**Overview:**

Lesson 1: Seasons - I can describe how the weather changes across the seasons.  
Lesson 2: Seasonal Weather (Autumn) - I can collect and record data about the weather in autumn.  
Lesson 3: Autumn Walk - I can identify signs of autumn.  
Lesson 4: Autumn to Winter - I can identify changes in the trees and in clothes that we wear from autumn to winter  
Lesson 5: Seasonal Weather (Winter) - I can collect and record data about the weather in winter.  
Lesson 6: Animals in Winter - I can explain how some animals adapt in winter.

**Cross Curricular Links**

**Resources**

- 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.

**Notes and Guidance**

**Most Children will:** • 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

**Less Able Children will:** • name the four seasons • name different types of weather • make observations about the weather • describe the weather associated which each season • collect and record simple data • make simple observations about changes across the seasons

**More Able Children will:** • 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