



| Outdoor Learning Knowledge Organiser | | |
|--|-------------------------------|-------------------|
| Year group: 4 | Topic: Seasons and Weather | Measuring Weather |
| Key Question: How and why do we measure weather? Why is it important to measure weather and what apparatus do we use? What is the difference between weather and climate? | | |

Key Vocabulary:

Weather, forecast, prediction, instruments, direction, instrument, location, wind, precipitation, half turn, quarter turn, 90 degrees, Wind speed, wind direction, precipitation, cloud cover, temperature, anemometers, weather station, thermometer, rain gauge, climate, scale, instrument, meteorologist

Links to National Curriculum – Science

making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers

gathering, recording, classifying and presenting data in a variety of ways to help in answering questions

recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables



My outcome will be

To predict and measure weather conditions.

To accurately make a rain gauge using an appropriate scale.

What key knowledge will I have by the end of this journey?

To understand why weather predictions/reports are important.

To be able to identify what apparatus is used for measuring different aspects of the weather.

To be able to define weather and climate.

What key skills will I have by the end of this journey?

I can use a thermometer to measure temperature.

I can use an anemometer to measure wind speed.

I can use a compass to measure wind direction.

I can design and make a rain gauge to record rainfall.



Links to previous and future learning

In Year 3

To recognise and use the points of a compass.

To make a weather vane to read wind direction.

In year 4

In Year 5

To explain how different factors can influence microclimates.
To name and describe the different climate zones.

In year 6