

Outdoor Learning Knowledge Organiser

Year group: 5

Topic: Seasons and weather Microclimates and Climate Zones

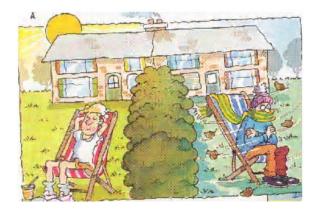
Key Question: What factors can influence a microclimate? Do microclimates exist around the school grounds? What are the features of the different climate zones?

Key Vocabulary:

Microclimate, small different, weather, climate, surrounding, distinctive, temperature, ground temperature, air temperature, wind speed, wind direction, climate, direction, investigation, polar, temperate, arid, tropical, Mediterranean, mountainous, biome, equator

Links to National Curriculum - Science

planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate reporting and presenting findings from enquiries, including conclusions,



My outcome will be

To explain how different factors can influence microclimates.

To name and describe the different climate zones.

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

Explain what a microclimate is.

Name different factors that effect and produce a microclimate.

Carry out an investigation to prove/disprove a prediction.

Name the different climate zones.

Describe the weather features of a climate zone.

Demonstrate an understanding of climate zones through a spinning globe activity.

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

I can measure and record weather conditions to complete an investigation.

I can choose appropriate equipment and record observations accurately.

I can communicate and justify ideas using scientific language.

I can apply knowledge of microclimates to a real life investigation.



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

To predict and measure weather conditions.

To accurately make a rain gauge using an appropriate scale.

In Year 5

In year 6

To understand how clouds form and the different types of clouds

To know different types of extreme weather and to locate extreme weather around the world.