



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?		

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.

**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 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**

<b>In Year 3</b> To recognise and use the points of a compass.  To make a weather vane to read wind direction.	<b>In year 4</b> To predict and measure weather conditions.  To accurately make a rain gauge using an appropriate scale.	<b>In Year 5</b>	<b>In year 6</b> 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.
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