



Year: 8

Subject: **Geography**

Topic:

**Weather and Climate**

Knowledge and Understanding to be developed:

In this unit you will be discovering the difference between weather and climate; which instruments are used to measure the weather and how air masses affect the weather in the UK. By the end of the unit you will be able to write a weather forecast for Wales using maps and symbols.

Key Terms to be learned this half term:

Beaufort scale	Anometer
Cloud cover (Oktas)	Visibility meter
Wind direction	Satellite image
Compass rose	Rain Gauge
Continental	Barometer
Maritime	Weather Vane
Tropical	Thermometer
Polar	

Week 1/2 Learning Objectives and Outcomes:	Assessments:	Homework:
<p><b>Understand</b> how weather is measured</p> <p><b>Knowledge</b> of different methods</p> <p><b>Explain</b> why these methods are used</p> <p><b>Identify</b> how we can measure some elements of the weather</p> <p><b>Observe and describe</b> today's weather</p> <p><b>Explain:</b> writing a weather diary</p>	<p>Self/peer assess your own observations of the weather using the success criteria</p>	<p><b>Design</b> an experiment to record the weather at home.</p> <p><i>What equipment would you need and where would you put it?</i></p> <p>Draw a diagram to help explain your idea</p>
Week 3/4 Learning Objectives and Outcomes:	Assessments:	Homework:
<p><b>Identify</b> what affects the U.K weather</p> <p><b>Knowledge</b> of different air masses</p> <p><b>Explain</b> how air masses affect our weather</p> <p><b>Explain</b> the factors affecting climate</p> <p><b>Describe</b> the difference between summer and winter temperatures.</p> <p><b>Discover</b> three UK towns that are warmer in Summer, find and name three UK towns that are warmer in Winter.</p>		<p>Observe the weather over the next week</p>
Week 5/6 Learning Objectives and Outcomes:	Assessments:	Homework:
<p>Study the weather map for the Wales.</p> <p>Write a weather forecast for that day.</p> <p>Write a report based on the temperature, wind speed and direction in each major part of Wales</p>	<p>Explain how you intend to introduce the different regions of Wales.</p> <p>Explain the weather (temperature, wind speed and direction, rain, overcast, sunny) using town, cities, and compass direction)</p>	<p>Complete any missing work. Respond to teacher feedback including spelling, grammar and complete improvements.</p>

**Skills**

**DCF:** 3.1 Producing – planning, sourcing and searching Using weather sites to complete a weather diary

**Literacy:** 8RA3: Respond and analysis. 8WM1 Meaning, purpose and readers.-assessment

**Numeracy:** Y8 D4-Using data skills-Collect and record data- Weather observation.