

Year 9 Geography Weather and Climate Topic

Weather & Climate	Knowledge, Skills, Understanding
Higher	<p>Pupils/I:</p> <ul style="list-style-type: none"> can explain the difference between ‘weather’ & ‘climate’ can explain how and why latitude, distance from sea, ocean currents, prevailing wind direction & relief affect climate are/am able to measure and record temperature, precipitation, humidity, wind speed & wind direction accurately can explain the effect of shelter, colour of surface, buildings/obstructions & aspect on microclimate can explain how & why it rains using geographical terms – <i>coalescence, saturation, dew point</i> can explain seasonal trends in precipitation & temperature in Britain using the factors affecting climate can explain why Britain’s weather is so changeable, unaided (explaining the role of air masses, fronts & jetstreams) can explain how & why a depression is formed, & how & why the weather changes throughout the course of a depression can explain the weather conditions in summer & winter are/am able to interpret a synoptic chart in order to provide a reasoned weather forecast from it
Intermediate	<p>Pupils/I:</p> <ul style="list-style-type: none"> can categorise features of ‘weather’ & ‘climate’ describe how latitude, distance from sea, ocean currents, prevailing wind direction & relief affect climate describe how temperature, precipitation, humidity, atmospheric pressure, wind speed & direction are measured describe the effect of shelter, colour of surface, buildings/obstructions & aspect on microclimate describe how it rains using geographical terms – <i>evaporation, condensation, precipitation</i> describe the seasonal trends in precipitation & temperature in Britain & state the factors affecting these weather variables can begin to explain how air masses, fronts & jetstreams make Britain’s weather so changeable describe the features of a depression (fronts, warm sector, centre, occlusion) & the weather sequence they bring state the features of an anticyclone & describe the associated weather conditions in summer & winter are/am able to interpret a synoptic chart in order to describe the weather conditions associated with it
Foundation	<p>Pupils/I:</p> <ul style="list-style-type: none"> define ‘weather’ & ‘climate’ state factors affecting climate define weather variables & state units & equipment for measurement state factors affecting microclimate define processes & features related to the hydrological cycle – <i>evaporation, condensation, cloud, precipitation</i> describe the seasonal trends in precipitation & temperature in Britain define & describe features of air masses, fronts & jetstreams identify the features of a depression (fronts, warm sector, centre, occlusion), & state the associated weather conditions state the features of an anticyclone & the associated weather conditions in summer & winter are/am able to interpret a synoptic chart in order to state features of weather conditions from it

NB: direct command = knowledge, ‘can’= understanding, ‘able to’=skills