



Weather and Climate



What is the weather going to do tomorrow?

You have been invited to give a brief weather forecast on the weather of the UK. This will involve talking about what the weather is currently like and what could happen to it. You will need an air pressure map and a satellite photo to help you deliver this talk.

Research and steps needed for the above task

- Go to the following web site www.meteo.gov.uk and start with the Home Page
- Then use the information bar at the top of the page and select -Education-> Curriculum Learning Centre -> Secondary School -> Interpreting Weather Maps. It is important that you read and understand the relevant parts of this article and copy and paste only the sections that you need into a Word Document.
- Return to the Home page -> Weather and Climate - and scroll down the left side and select UK e.g.
- In the UK site, again scroll down the left side and select -surface pressure chart
- First focus on the weather map. Select the print Screen tab (at the top right of the key board) to capture the image of the weather map. Open a new word document, call it weather map and select the Paste icon on the top tool bar and copy the weather map onto the page. Place the cursor on the Picture. Now bring up the Picture Tool Bar: use the Text Wrapping icon and select 'in front of Text' so that you can move the picture to any part of the page. Now select the crop icon from the Picture Tool bar to cut away any unwanted part of the copied page.
- Return to the UK site and scroll down the left side but this time select satellite image and then complete the same steps as before.

Your presentation

You will need to

- Talk about what the weather is currently like and what will happen to it in the next few days
- Use the correct terms for the weather chart (See your previous lesson)
- Use the correct terms to describe the weather conditions-rain, temperature etc
- Try to describe and explain by showing the audience both the map and the photo
- Use actual place names to locate the different weather conditions; use your regional map of the UK along with an Atlas and ensure that you use the regions along with important regional cities e.g. Bristol, London, Edinburgh, Cardiff, Belfast

South West
South East
West Midlands
East Midlands
Humburside
North West
The North
Cumbria
Northern Ireland
Eire
Scotland
Wales

Some ideas to help you

An area of Low pressure - strong winds
Warm front/ Cold front/Bands of cloud and rain
Cooler temperatures or temperatures dropping
Moving eastwards- most Depressions do this over the UK

An area of High pressure- gentle winds
Stationary - most anticyclones do this for several days
Clear skies and a danger of low night temperatures/frost
Clear skies and sunny hot days-possibility of drought
Gentle winds
Onshore breezes-cooling