

Stunning lenticular clouds in western Iceland

Geography

Autumn Term

Year 8



This homework supports the Year 8 scheme of work on weather and climate. It will draw on work completed in class that identifies the UK's main climatic regions and ask pupils to analyse current weather patterns against the climate expected in these regions

The objective of the homework is for you to learn to:

- Be able to compare **weather** patterns against expected **climate** patterns
- Interpret data and information on UK weather

Weather is the state of the atmosphere, it is a daily occurrence

Climate is the average weather in a place over time

Assessment of your homework: This teacher assessed.

You may work along different pathways:

Blue pathway is for all of you to do

Green pathway is for most of you to do

Orange pathway is for a few of you to try

Task

Look at the diagram in your text book showing the climatic regions of the UK. Then go to the BBC weather website using this link,

<http://www.bbc.co.uk/weather/ukweather/>

Go to the select a region section and choose the following regions:

North West; South West; North East; East

Blue Pathway all of you do this



- Explore each region using the information on rain, cloud, wind and temperature.
- Write a statement describing the weather in each region.
- Compare the weather with the expected climate for the region. Is the weather what you would expect for the climate of the region or is it different? Explain your reasons for your suggestions.

Green pathway most of you will do this

1. Use an atlas to find the location of Aberystwyth and York

Aberystwyth, United Kingdom										
Month	Average Sunlight (hours)	Temperature				Discomfort from heat and humidity	Relative humidity		Average Precipitation (mm)	Wet Days (+0.2 mm)
		Min	Max	Min	Max		am	pm		
Jan	2	2	7	-11	14	-	-	-	97	21
Feb	3	2	7	-9	15	-	-	-	72	17
March	4	3	9	-7	20	-	-	-	60	16
April	5	5	11	-3	23	-	-	-	56	16
May	6	7	15	-1	26	-	-	-	65	16
June	7	10	17	4	31	-	-	-	76	16
July	5	12	18	6	31	-	-	-	99	19
Aug	5	12	18	5	29	-	-	-	93	18
Sept	4	11	16	2	26	-	-	-	108	19
Oct	3	8	13	-2	25	-	-	-	118	20
Nov	2	5	10	-3	17	-	-	-	111	20
Dec	2	4	8	-6	15	-	-	-	96	22

Using your knowledge of regional climate in the UK (p.34 in Geog. 1 will help you) what climate would you expect in these regions?

Using the data, what are the main climatic differences between the two places?

Is this what you would expect?

York, United Kingdom										
Month	Average Sunlight (hours)	Temperature				Discomfort from heat and humidity	Relative humidity		Average Precipitation (mm)	Wet Days (+0.25 mm)
		Min	Max	Min	Max		am	pm		
Jan	1	1	6	-14	15	-	89	-	59	17
Feb	2	1	7	-10	17	-	87	-	46	15
March	3	2	10	-13	21	-	81	-	37	13
April	5	4	13	-3	24	-	73	-	41	13
May	6	7	16	-1	29	-	71	-	50	13
June	6	10	19	2	32	-	71	-	50	14
July	6	12	21	5	31	-	74	-	62	15
Aug	5	12	21	4	33	-	77	-	68	14
Sept	4	10	18	-1	29	-	80	-	55	14
Oct	3	7	14	-4	26	-	85	-	56	15
Nov	2	4	10	-7	19	-	88	-	65	17
Dec	1	2	7	-8	16	-	88	-	50	17

Orange pathway some of you might want to try this

Read the article on UK weather ['Why do we like to talk about the weather?'](#)

This will give you a more detailed insight into the variability the weather of the UK.

- If you were a tourist how would you prepare your suitcase for a visit to the UK in spring?
- Why might you be unsure what clothes to bring on holiday?