



Topic Overview

Faculty/Subject: Geography

Year Group: 8

Topic: UK's Wild Weather



What **BIG IDEAS** will you cover in this topic?

This topic will torch on how rain is formed and the types of air pressure we get on the earth's surface. This will be foundational to future topics such as tropical storms in year 9 and global atmospheric circulation at GCSE.

Students will gain an understanding of the reasons behind our weather. Where do the different air masses come from and how they affect the weather we receive in the UK.

What other key concepts, knowledge and skills will you learn in this topic?

Students will be developing their map skills when exposed to new types of maps in their forecasting lesson.

Students will be introduced to the concept of extreme weather, something which they will experience in the UK in their lifetime. It will also be covered again in Year 9 when we look at other extreme weather events around the world.

What important prior knowledge will you use from your prior learning?

Students will need an understanding of the variety of weather received in the UK and the seasonality of our weather. Students will also need a base understanding of the hydrological (water cycle) from primary school which they will build on in the topic.

Where does this topic fit into the curriculum plan for this subject?

This is the fifth topic that year 8 will cover and it is their third physical geography topic. It will develop themes which they will take forward into year 9 and GCSE topics should they choose geography.

Assessment:

How and when will you be assessed on this topic? What will the success criteria be?

Mini-assessment - students will complete a mini assessment to test the knowledge of the subject up until that point. This will help prepare them for their end of year assessment.

End of year assessment - due to the timing of this topic being close to students' end of year assessment, this will be used to test students on the knowledge and skills gained.

They will be assessed on:

- Weather vs climate
- Hydrological cycle and types of rain
- UK Weather systems
- Extreme weather - types, causes, and impacts
- UK Storm case study
- Weather forecasting
- Climate change and UK weather

What is the key vocabulary that you will need to know in this topic?

Weather
Climate
Hydrological cycle
Frontal
Relief
Convectional
Drought
Flooding
Heatwaves
Forecast

What is the structure of learning/ lessons in this topic?

1. Weather and climate
2. Hydrological cycle and elements of weather
3. Types of rainfall
4. UK Weather systems
5. Types of extreme weather
6. Mid Topic Assessment
7. Causes of extreme weather
8. Case study - UK Storm
9. Impacts of extreme weather
10. Climate change and UK weather