

Y4 Geography: Weather - Natural Disasters Knowledge Organiser

Prior learning that will help me

- I understand that weather and climate are different.
- I know and can describe the five major climate zones.
- I can ask geographical questions about weather and climate.
- I know the names and locations of the world's seven continents and five oceans.
- I know climate change is affecting our planet.

Physical Geography

- Natural Disasters caused by the weather including hurricanes, tornadoes, thunderstorms, floods, heatwaves and droughts.

Human Geography

- What impact do natural disasters have on communities?

Extreme weather and climate change What can we do?



The Met Office is the UK's national weather service.



Weather describes the changes in the day-to-day conditions. For example - today is sunny and warm.
Climate describes the average weather patterns over a longer period of time.



Rain gauges measure rainfall.



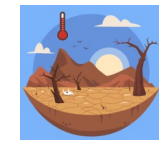
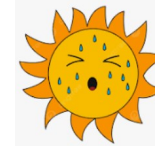
Weathervanes show the direction of the wind.



Barometers measure pressure. This can help to predict short term weather changes.



Thermometers measure temperature.



What is Extreme Weather?

Flooding can be caused by: a large amount of rain, rapid snow melting, high tides with high river levels and storm surges.

Tornadoes are swirling columns of air, spinning rapidly with winds of over 40mph or 60kph. They are smaller than hurricanes.

Hurricanes are strong storms that start in the ocean and have winds of at least 74 miles an hour.

Drought occurs when there is a lack of rainfall over a long period of time, resulting in water shortages for groups of people, activities or the environment

Heatwaves are longer than usual period of abnormally hot weather.

1953 East Coast Floods at Sutton on Sea: On the night of 31 January 1953, a wall of water surged from the North Sea, over-topping sea defences and leaving a trail of destruction in its wake.



Key Vocabulary

Weather, climate, weather forecast, temperature, water cycle, evaporation, condensation, precipitation, flooding, erosion, typhoon, hurricane, tornado, drought, thunderstorm, blizzard, sea defences