



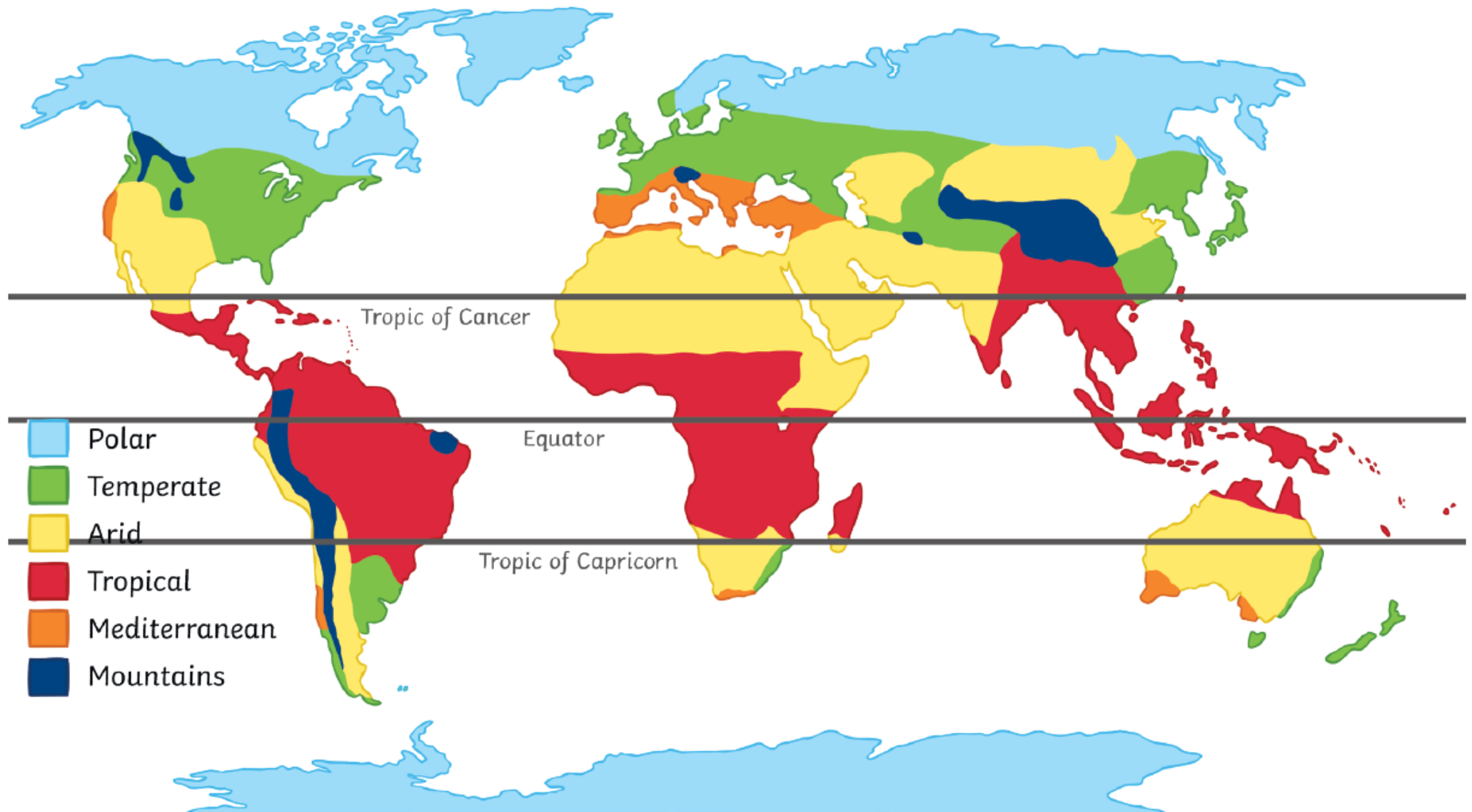
Marlborough Primary Academy

Home Learning
KS2 Afternoon topic

Week beginning
25/1/2021

Monday 25 th	https://kids.wordsmyth.net/we https://www.factmonster.com/dk/encyclopedia/earth/climate-zones https://www.funkidslive.com/learn/marina-ventura/climate-explorers/major-climate-zones-world/
Tuesday 26 th	https://www.youtube.com/watch?v=kHKNcTe6vdU&feature=youtu.be
Wednesday 27 th	https://geology.com/world/world-map.shtml
Thursday 28 th	https://www.youtube.com/watch?v=xNU4cfbVQ6Y https://www.bbc.co.uk/weather/2640194/day7
Friday 29 th	https://www.bbc.co.uk/weather/2640194/day7

World Climate Zones



Monday 25th January 2021

Vocabulary – Key Words

Climate = means the weather conditions in a particular area in the world.

Climate Zone = an area in the world that has its own climate

e.g. Polar Climate, Temperate Climate, Arid Climate, Tropical Climate, Mediterranean Climate, Mountain Climate

Temperature = measure of how warm or cold an area is.

Precipitation = is another word for rainfall.

Humidity = the amount of water vapour (gas) in the air.

Seasons = Part of the year which has a particular type of climate/weather e.g. Autumn, Winter, Spring and Summer.

Altitude = how high above sea level a place is.

Do you understand what these words mean?

Try using an online dictionary.

<https://kids.wordsmysmith.net/we>

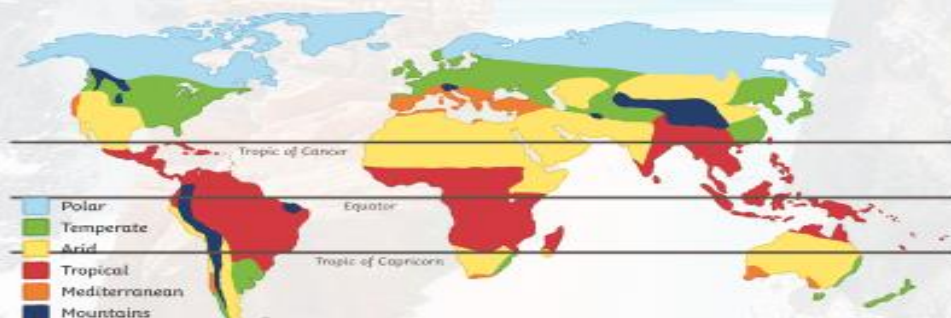
Write the definition of each word in your own words. Write these in your book.

Now watch:

<https://www.bbc.co.uk/bitesize/clips/zr7hyrd>

World Climate Zones

This is a map of the main world climate zones. A climate zone is an area that has its own climate. Climate zones also have their own type of vegetation and wildlife too! Which climate zone is the UK in?



Have a look at this map of the world. It is divided into Climate Zones.

What Climate Zone is the United Kingdom in?

Have you or anyone in your family been to any other Climate Zones?

Use the website links for Monday to find out more information about each climate zone.

Polar Climate Zone

How would you describe a polar climate?



Polar climates have temperatures which are usually below freezing and can reach -60°C in winter. Polar areas are usually covered by snow and ice throughout the year.

Write all your answers in your Home Learning Book.

Describe in your own words the Polar Climate Zone.

Temperate Climate Zone

How would you describe a temperate climate?



Temperate climates vary greatly at different times of year, with four seasons.

Describe in your own words the Temperate Climate Zone.

Mediterranean Climate Zone

How would you describe a Mediterranean climate?



Mediterranean climates have long, warm, dry summers and wet winters.

Describe in your own words the Mediterranean Climate Zone.

Arid Climate Zone

How would you describe an arid climate?



Arid climates lack natural water sources, with little rainfall. They are very dry and hot.

Describe in your own words the Arid Climate Zone.

Tropical Climate Zone

How would you describe a tropical climate?



Tropical Climates have high temperature, rainfall and humidity all year. Some areas may have a wet and dry season.

Describe in your own words the Tropical Climate Zone.

Mountain Climate Zone

How would you describe a mountain climate?



Mountains have a different climate to their surrounding areas. The temperature on mountains becomes colder the higher the altitude gets. They also tend to have much wetter climates than the surrounding land.

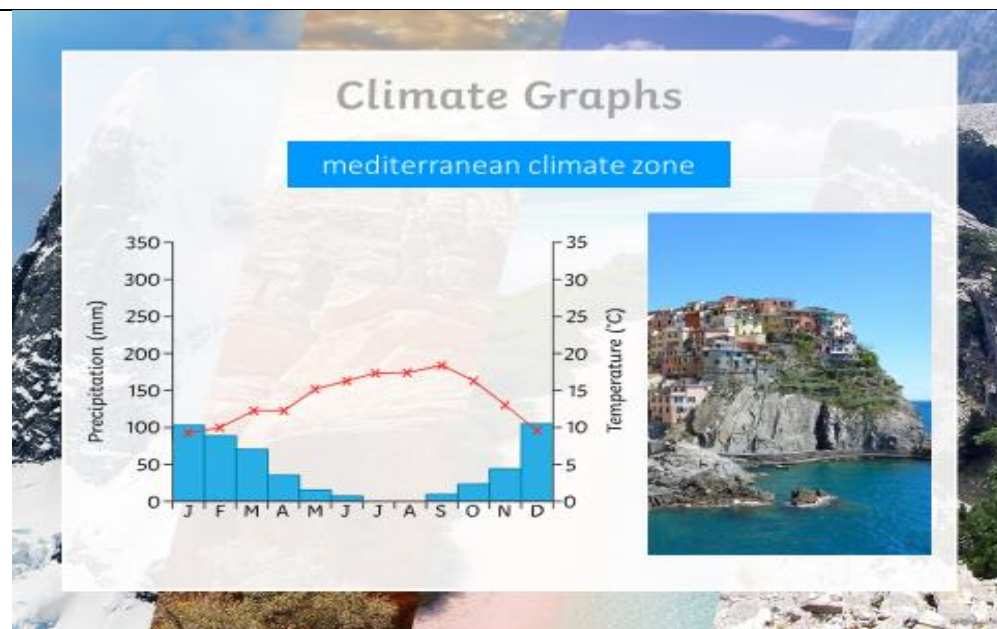
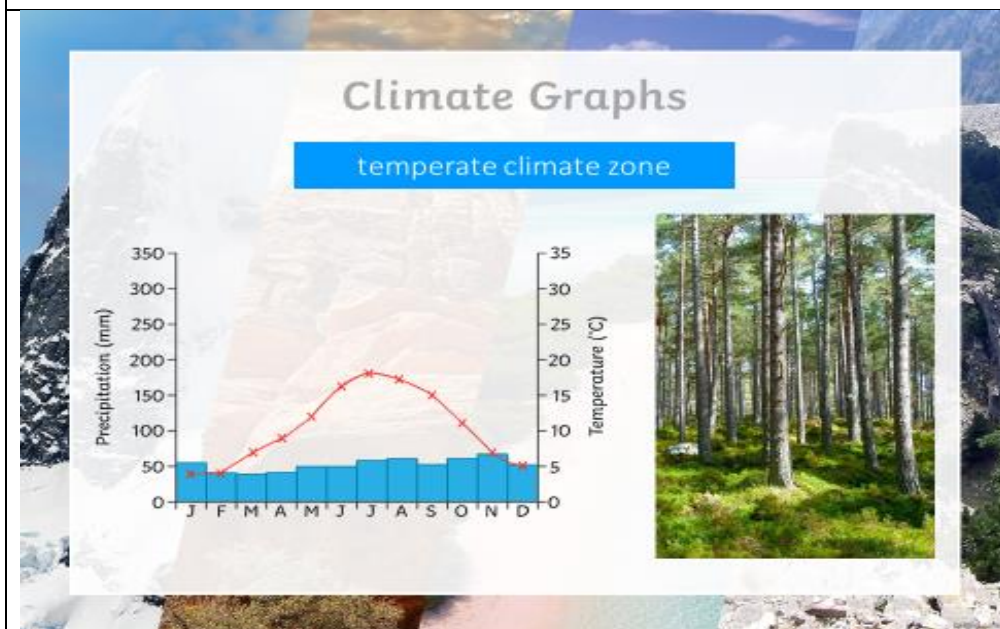
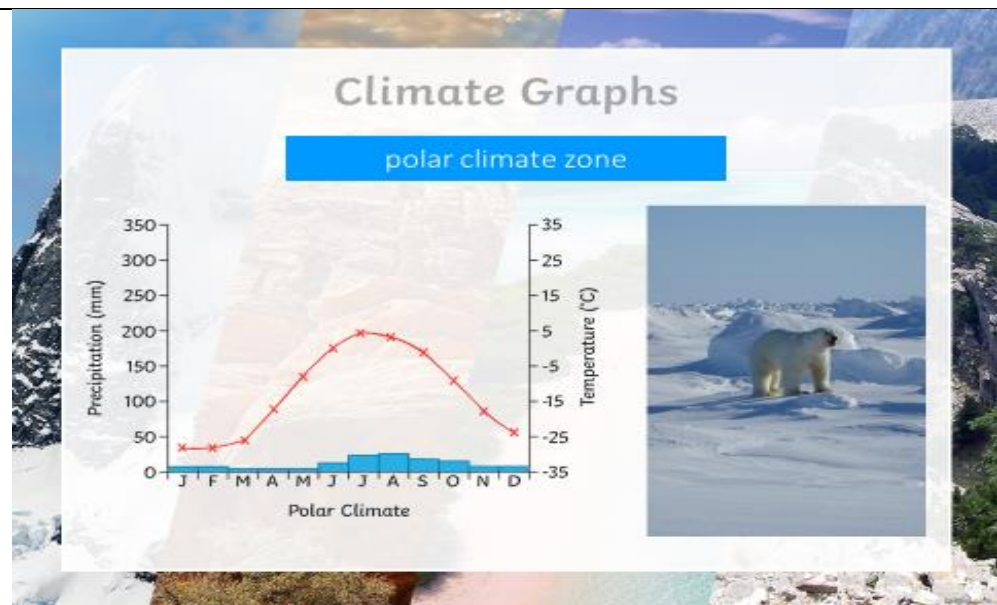
Describe in your own words the Mountain Climate Zone.

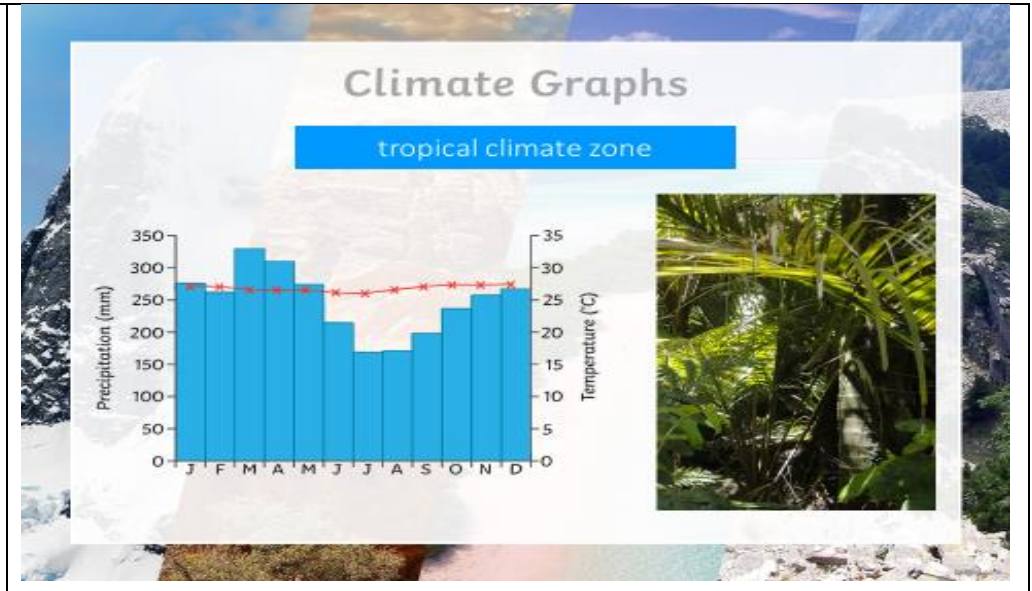
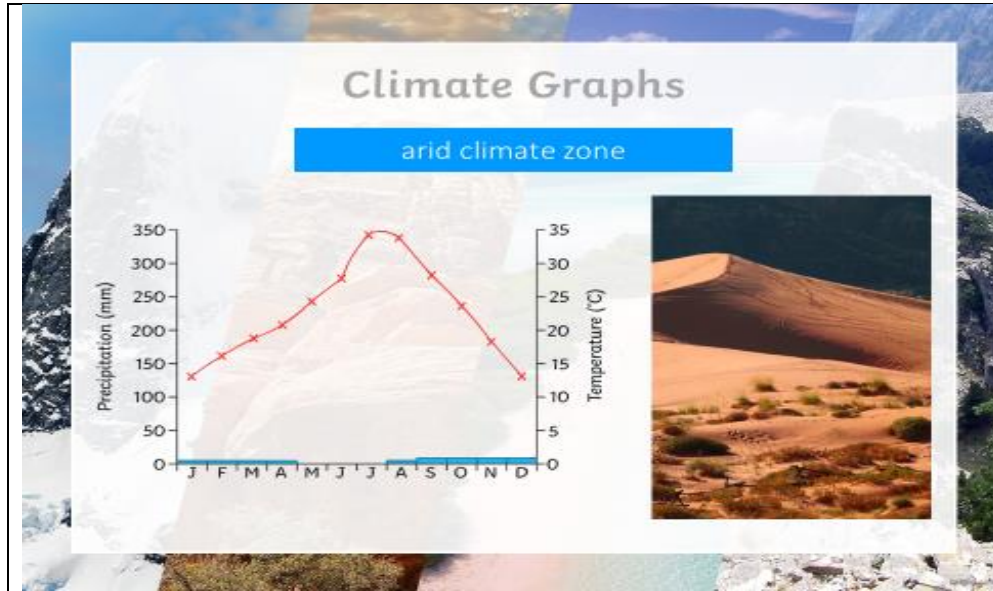
Tuesday 26th January 2021

Write some sentences to create a paragraph describing the average temperatures and rainfall throughout the year in each climate zone.

The letters at the bottom are for the months of the year e.g. J = January, F = February...

- Which months of the year have the highest or lowest temperature (red line graph)
- Which months have the highest/lowest rainfall (blue bar chart)





Which Climate zone would you most like to live in and why?

Wednesday 27th January 2021 - Can you match the climate description with the correct Climate Zone?

For each of the following climate zones, match the correct photo with the climate description and climate graph. If you can, cut these out and stick them in your book.

World Climate Zones Card Sort

These areas are covered by snow and ice throughout the year. Temperatures are usually below freezing and can reach -60°C in winter.



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World Climate Zones Card Sort

This climate zone is found between the tropics and the poles and usually has four seasons. It has warmer summers and cooler winters and rain throughout the year.



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World Climate Zones Card Sort

In this climate zone, summers are hot with little rainfall. Winters are cooler with more rainfall.



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World Climate Zones Card Sort

In this climate zone there is little or no rainfall and skies are usually cloudless. Daytime temperatures can reach up to 45°C in the summer. Winters are cooler. There is little or no vegetation in this zone.



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World Climate Zones Card Sort

This climate zone is located between the Tropics of Cancer and Capricorn. Rainfall and humidity are high all year. Temperatures are high and range from $25-35^{\circ}\text{C}$. The annual range of temperature is only a few degrees.



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World Climate Zones Card Sort

In this climate zone, the temperature becomes colder the higher the altitude gets. It also tends to have much wetter climates than the surrounding flat land.



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World Climate Zones Card Sort



mountain

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World Climate Zones Card Sort



polar

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World Climate Zones Card Sort



arid

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World Climate Zones Card Sort



tropical

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World Climate Zones Card Sort



mediterranean

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World Climate Zones Card Sort



temperate

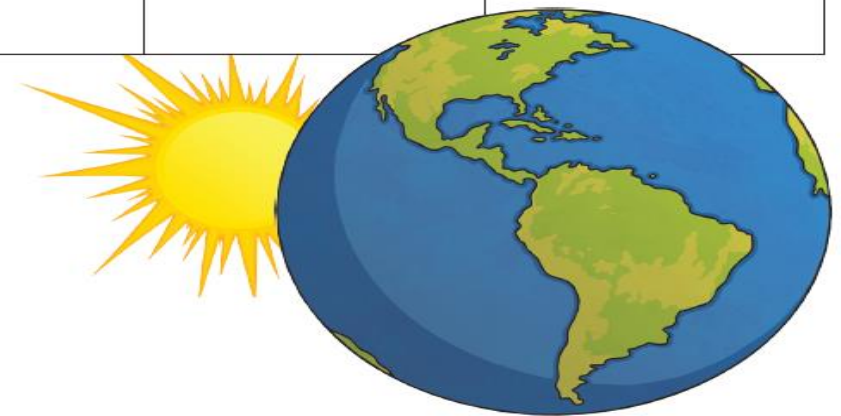
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Which Climate Zone?

Use an atlas to work out which climate zone each location is in.

Polar	Temperate	Mediterranean	Arid	Tropical	Mountain

Alaska	Italy	Alps
Japan	Greenland	Saudi Arabia
Himalayas	Turkey	Ghana
Central Australia	Antarctica	Malaysia
Brazil	Poland	Chile
Egypt	Greece	UK



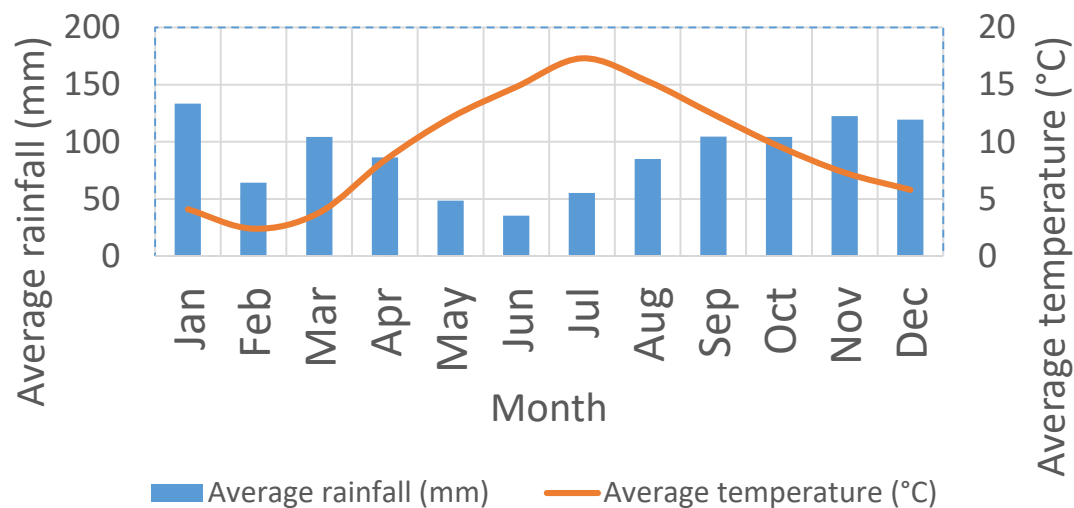
Use the World Climate Zone map from Monday's lesson and go online to find a map or atlas to find these different countries. See if you can find out which climate zone each is in and complete the table.

<https://geology.com/world/world-map.shtml>

You can also find out which continent the country is in. Which country would you like to visit? Explain why.

Thursday 28th January 2021 - What is the climate like in the United Kingdom?

Climate graph for the UK - 2018



Use the graph to answer these questions

1. Which month has the highest temperature?
2. Which month has the lowest rainfall?
3. Which 2 months have the least rainfall?
4. Which month has the highest rainfall?
5. Which month has the lowest temperature?
- 6.

Watch the weather forecast on television (it is straight after the news) or find it online on BBC Weather forecast. Notice the different temperatures across the United Kingdom.

Write the questions and answers in your Home Learning Book.

Where is the temperature the lowest/highest?

Which areas are going to be rainy/sunny/snowy?

Which areas have the strongest wind?

What is the forecast for Plymouth for the weekend? <https://www.bbc.co.uk/weather/2640194/day7>

Friday 29th January 2021 - Can you give a weather forecast for Plymouth?

Go back and look at the weather forecast for Plymouth for the weekend:

<https://www.bbc.co.uk/weather/2640194/day7>



Can you become a weather presenter?

You will need to watch a weather forecast on the television (they are always on after the news).

You will need to look at the forecast above to watch how the presenter does their job.

You will need to practice saying the forecast out loud a few times.

It would be great if you could film yourself and upload onto Class Dojo. If this is tricky can you write your forecast in a paragraph.

Challenge: Find out the climate for Plymouth (average temperature and rainfall over a year).