	Geography Medium Term	Planning: Year 3 – Weather and Climate
Overarching Enquiry Question: L	nit Overview:	
zones and how do they affect	fferent styles of maps. They will ${\sf I}$	uced to different ways of communicating geographical data, particularly through learn to read weather and climate maps and learn how weather and climate are es. The concept of biomes will be explored, each with distinctive climate, soil, flora,
This unit builds on:		This unit builds towards:
 Y1 – Animals and Their Habitats This unit gave a geographical context to children's interests in, and prior knowledge of, animals through a study of five continents. Children developed an understanding how landscapes can differ (hot/cold) from continent to continent. Y2 – Seasons In this unit, the children learnt about weather and seasons. This unit focused on the local area, as well as looking at the wider perspective of the UK. 		 Y4 – The Americas Children will build on their knowledge of biomes and climate by looking at the different environmental regions of North and South America. In-depth studies of specific climates and biomes: Y5 - A Study of an Alpine Region Y6 - South America: The Amazon Y6 - Protecting the Environment Children will examine how human activity is causing environmental change and stress, and how these are contributing to climate change.
Fieldwork		Map Work
A visit to Delamere Forest (a deciduous forest) or local woodland (Helsby Hill) and find out about the native trees of our temperate forest biome. Arrange a talk from a park or countryside ranger to discover more about the issues affecting the flora, fauna and countryside of, or near/nearest to, your local area. In the school environment, extend any work the children have done previously in collecting, analysing and communicating weather data.		Throughout this unit, children will use a variety of styles of maps of the world (accessible on the internet) and interpret them. They will also learn to extract information from geographical photographs. You could use printed copies of the maps and images or display them on the interactive whiteboard. Where it is suggested that children use atlases to locate places, you may choose to use Google Earth instead.
Possibly Fieldwork Enquiries	Educational Visits	
What species of trees grow in the school grounds/on Helsby Hill?Which species of deciduous tree grow in Delamere Forest?		

Step	Enquiry Question	Learning Objective	Key Geographical Knowledge	Vocabulary
1	What are weather, climate and biomes?	To recap weather, and start to learn about climate, climate zones and biomes.	 Understand that there is a pattern to weather and seasons in my own and other environments. Understand that these climate patterns are different in different regions of the world. Use a map of world, annual average air temperatures and/or a globe to describe the world climate zones from the Poles to the equator. 	weather, weather forecast, season, climate, climate zone – polar, temperate and equatorial/tropical/rain forest; biome, flora, fauna, vegetation
2	How does the equator effect how hot a place is?	To learn how the average air temperature of a location is affected by how close it is to the equator.	 Locate the Equator, and know the names of continents and oceans. Locate and name the Tropic and Cancer and Tropic of Capricorn. Use a map of world, annual average air temperatures and/or a globe to describe the world climate zones from the Poles to the equator. 	equator, Tropic of Cancer, Tropic of Capricorn, climate, climate zone – polar, temperate and equatorial/tropical/rain forest; biome, flora, fauna, vegetation
3	What are the polar regions like?	To find out about the polar climate zone, and to learn about the tundra biome.	 Know where the coldest places on Earth are in relation to the equator and Poles. Describe the polar climate, and characteristics of the polar climate zone. Talk about the animals of the tundra biome. 	temperature, frozen/freeze/freezing, glacier, iceberg, ice flow, ice cap, Arctic, Antarctic, continent, flora, fauna – polar tundra and alpine tundra, caribou, reindeer, polar bear, penguin, seal, Northern and Southern Hemisphere, tundra – polar, permafrost, taiga
4	Where are the hottest, driest places in the world?	To find out about the hottest, driest places on Earth and the tropical desert climate zone.	 Know where (some of) the hottest, driest places on Earth are, in relation to the Equator and the North and South Poles. Know what the 'tropical desert climate' and 'tropical desert biome' are. Say what climate zones and biomes are. 	desert, sub-tropical, Sahara (Arabic for 'The Great Desert'), Namibian Desert, Mojave Desert (pronounced 'mo- harvey'), dry, arid, rain shadow

5	Where are the hottest, wettest places in the world?	To find out about the hottest, wettest places on Earth, and something of the tropical rainforest biome.	 Know where (some of) the hottest, wettest places on Earth are, in relation to the equator, and North and South Poles. Know what 'tropical rainforest climate' and 'rainforest biome' mean. Say what climate zones and biomes are. 	monsoon, tropical rain forest climate and biome, rainfall map, Cherrapunjee, Mawsynram, India
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Assessment Opportunities

Pupils will answer the question: Why is climate important?

This unit culminates with children producing their special report on 'Why is climate important?' The report could be an oral/live presentation, poster, video or PowerPoint. There is a choice of three scenarios: the report can be for a specified animal or specified people – these could be the children's relatives living overseas – or you could revisit the Nenet who are introduced in week two.

The report should include information about:

- Where the specified animal or group of people live continent, country/countries
- A weather summary over seasons or a year (temperature and rainfall)
- The climate zone and biome (approximate vegetation zone)
- How the climate and biome affect their way of life.

By the end of the unit, children should be able to say how climate affects the life of, and why climate is important to, the people or animals researched.

Unit End Points (meeting age-related expectations)

Geographical knowledge

- Identify the position of the Prime/Greenwich Meridian, and understands the significance of latitude and longitude (e.g. understands how climate varies with latitude and in relation to equator, Tropics and Poles).

Geographical understanding

- Indicate tropical, temperate and polar climate zones on a globe or map, and describes the characteristics of these zones using appropriate vocabulary (e.g. prepares a report, using maps and photographs, about an animal or people they have chosen, which should contain details of the animal or people, where they live in terms of climate and biome, and what they eat).
- Understand how physical processes can cause hazards to people.
- Describe some advantages and disadvantages of living in hazard-prone areas (e.g. understands the dangers of floods, drought and climate change).

Geographical skills and enquiry

- Uses the zoom function of a digital map to locate places and gather information (e.g. uses Google™ Earth to locate places within different climate zones, to zoom in on the Poles, equator and Tropics).

Exemplification of Work

Week 1 - What are weather, climate and biomes?

Term: Autumn 2

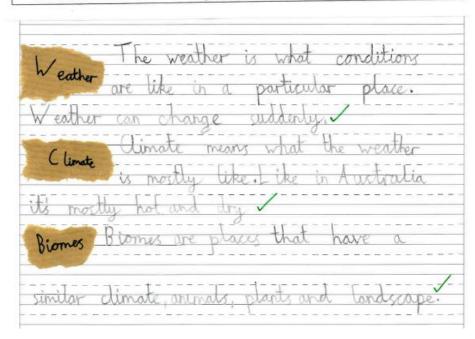
Enquiry Question:

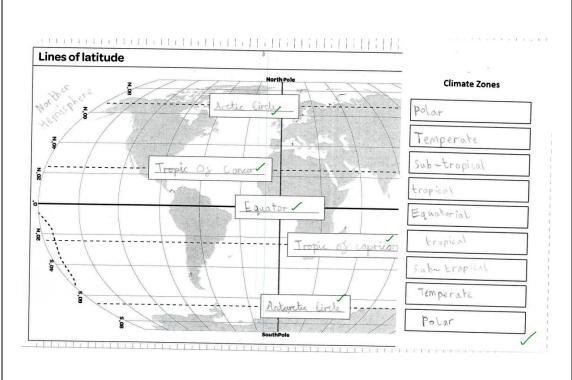
Date: 14/11/23

What are weather, climate and biomes?

Learning Outcomes

- I understand that there is a pattern to weather and seasons in my own and other environments.
- I understand that these climate patterns are different in different regions of the world.
- I can use a map of world, annual average air temperatures and/or a globe to describe the world climate zones from the Poles to the equator.





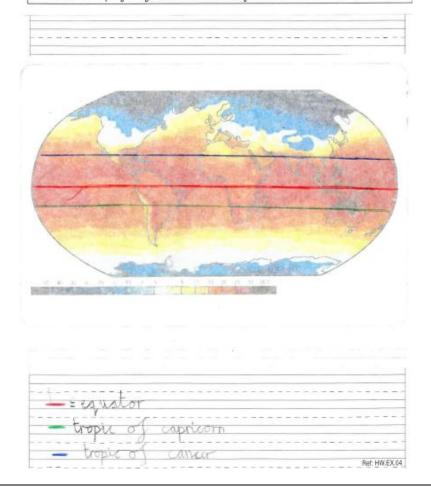
Week $2\,$ - How does the equator effect how hot a place is?

Term: Autumn 2 Enquiry Question:

Date: 21/11/23 How does the equator effect average air temperature?

Learning Outcomes

- I can use a map of world, annual average air temperatures and/or a globe to describe the world climate zones from the Poles to the equator.
- I know that countries on or near to the equator have high air temperatures all year round.
- I can locate specific regions on an atlas and find out the climate zone/biome.



Location	Climate Zone		
New York (Eastern U.S)	Temperate/		
Manaus (Brazil)	Tropical 80rest/		
Alice Springs (Australia)	Desert /		
London (United Kingdom)	Temperates		
Cairo (Egypt)	Desert		
Point Hope (U.S)	Tundra /		
Nairobi (Kenya)	savanna /		
Madrid (Spain)	chaparral		

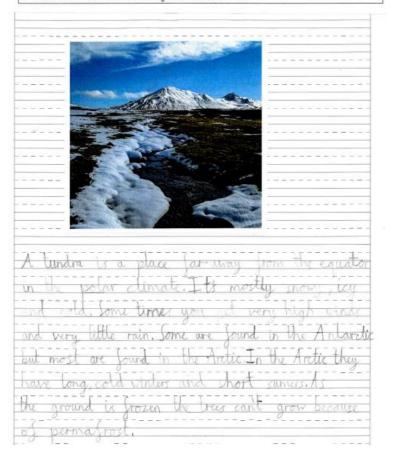
Week 3 - What are the polar regions like?

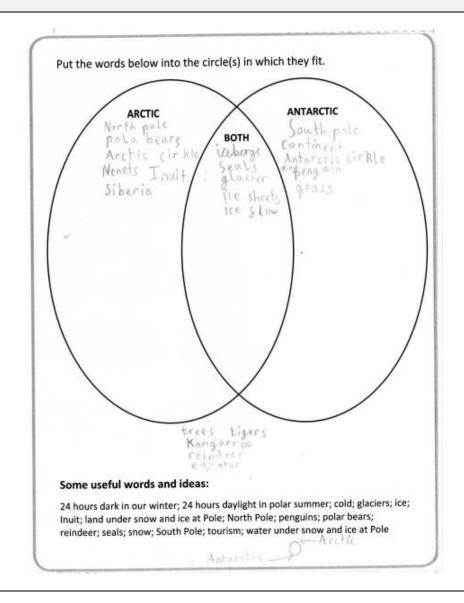
Term: Autumn 2
Date: 28/11/23

Learning Outcomes

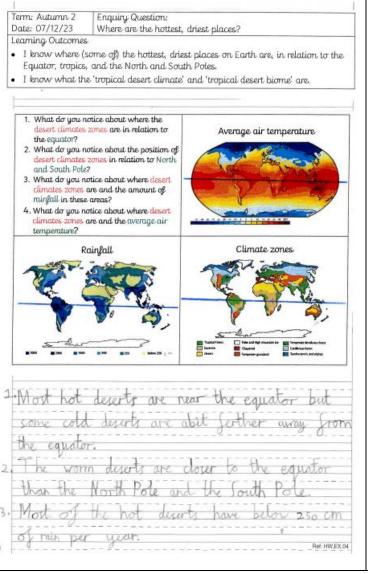
Enquiry Question:
What are polar regions like?

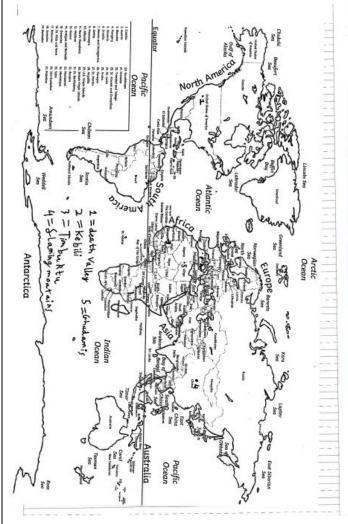
- I know where the coldest places on Earth are in relation to the equator and Poles.
- . I can describe the polar climate, and characteristics of the polar climate zone.
- . I can talk about the animals of the tundra biome.





Week 4 - Where are the hottest, driest places in the world?





Sahara Desert



Where is the Sahara?

The Sahara Depart is in Africa and + overlaps

How big is the Sahara?

The Sahara Best cover for the

60

What is the Sahara like?

The later is despited and except is it to be better deem in the world. Its allow the biggest but desert in the world.

It has been then with all minfall.

What wildlife is there in the Sahara?

Although the climate is very high sheen are still alot or wildlife.

Like direct intelligence and sore,
the common jacked and the Purlance

Who lives in the Sahara?

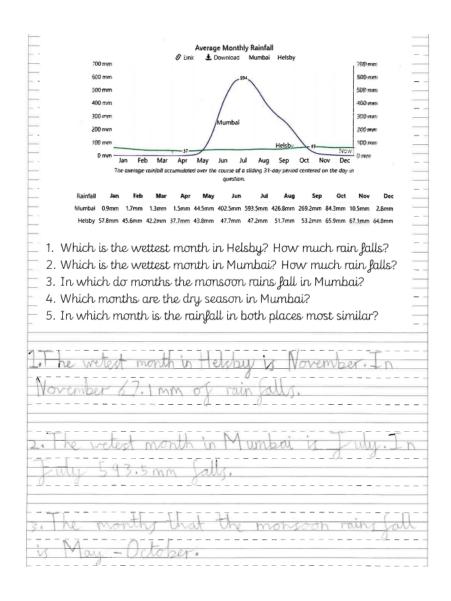
Over for million people lies in the Sahara Decort. These people are called Berbar or Backwain.

Did you know ...?

the year how for it to be a desert it notes have some up rain as year.

Ref: HW.EX.0

Week 5 - Where are the hottest, wettest places in the world?



Over 300 fruts grow Rainforests are ?	-
in the ranforest. (Eath's oldest living	}-
(habitat.	
Over half of the?	
worlds plants and & EThey have bin arou	nd
animals live in the & yor 70 million	
Amazon romfored. 5 years.	2
Tropical	
The pi	m-3
1 Jonest	
I can get	
Supto 28	6.
	74"
Rain Forests	
The Amazon rainforest The tropical	3
is also home to the rain forests we	-7
A major river. between the	7
Troplets of	7
The animals that live ancer and	-5
	-7
there are Mamay reptiles, the ropicle	- 3
birds and fish. of capricon	7

Week 6 - Assessment Tasks

What are the different biomes, where are they, and what are they like? (Assessment)

Biome	Description What is the climate like?	Example location Where?	Fauna (animals)	Flora (plant life)
polar	cold and dry	Arctic and Antwette	Polar bears Aretic sox Penguins Seal	none
tundra	breezing very cold	norther hemisphere	raindear caribon watrus	moss gross
hot desert	days are not and night are cold	tropics regions very close to the equals	candl Desert rappoits haves soxes	cactus
tropical rainforests	Rainforest are usually warm all year round. high areal rainfalls	carrier and us	moretys Toguar insets	tall ever green trees
temperate forest	warm summers	between the equater and the polar climat.		

