



What knowledge gems have we learnt before.



LOCATE	I can locate countries including: Germany, The Netherlands, France, Spain, USA and China
NAVIGATE	I can use 8 compass points on a map
EXPLORE	I can describe where a range of natural resources including energy come from and how they are used.



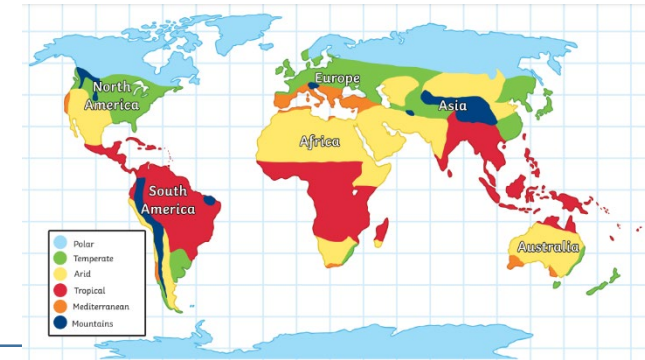
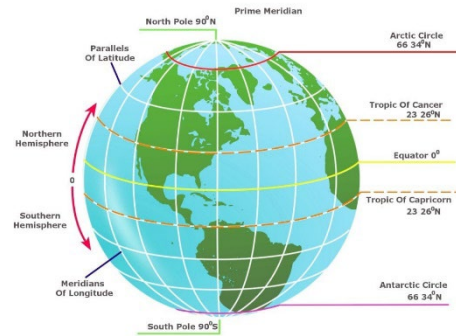
Amethyst knowledge gems-facts I need to know.

LOCATE	I can explore what biomes are and identify major biomes around the world. I can locate biomes around the world focusing on aquatic, desert, forest, grassland and tundra.
	I can identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).
NAVIGATE	I can describe and compare the animals and the habitats they live in based on the biome I have studied in the UK and Antarctica.
	I can understand the geographical compare the different biomes from the UK and Antarctica and explain what it like in these places.
EXPLORE	I can identify the key features of the biomes and vegetation belts I have studied and make comparisons between them.
	I can understand that there are different climate zones across the world and understand why places have different climates.

The knowledge gems we will learn next.



LOCATE	I can locate Newmarket on a map of the UK and identify key local topographical features in the local area
NAVIGATE	I can use six figure grid references and locate Newmarket on an Ordnance Survey map.
EXPLORE	I can use digital technologies and maps to explore land-use patterns in Newmarket



Language -Words we need to know

<b>Biome</b>	A huge area of plants and animals living together in a certain kind of climate
<b>Temperate forest</b>	A forest of evergreen trees. Found in colder temperate climates
<b>Rainforest</b>	A thick forest found in tropical climates
<b>Savannah</b>	Like grassland but with more rainfall to allow some trees to grow
<b>Desert</b>	An area of land with little water or vegetation. Found in arid climates
<b>Tundra</b>	An area of flat land with a layer of ice just below the surface.
<b>Aquatic</b>	Covers around 75% of Earth. Divide into freshwater and marine habitats.
<b>Climate</b>	The usual (average) patterns of weather - including temperature and rainfall
<b>Climate zones</b>	Areas of the Earth grouped according to their climate
<b>Polar</b>	Long periods of extreme cold
<b>Temperate</b>	Never extremely hot or cold
<b>Mountains</b>	So high up that the cold means trees won't grow
<b>Tropical</b>	Humid (hot and damp). Usually near the equator
<b>Mediterranean</b>	Hot summers, cool wetter winters
<b>Arid</b>	Dry with little rainfall
<b>Special lines of latitude</b>	Lines running horizontally around the world- Equator, tropics, Arctic and Antarctic circles.
<b>Longitude and time zones</b>	Lines running vertically from the poles. The world's different time zones are based on lines of longitude.

Sentence stems: A major difference between One similarity includes...