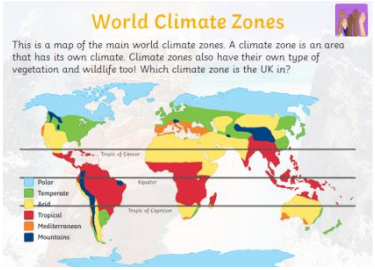
Eagle Owls Knowledge Organiser

Climate Zones, Biomes, Vegetation Belts

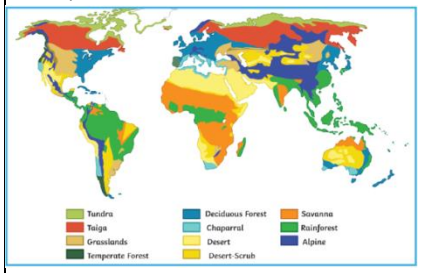
Key Vocabulary **Climate** – understanding different areas have their own climate **Climate Zone** – identifying different zones on the planet **Polar, Arid, Mediterranean, Tropical, Temperate, Mountains** – Recognising why these zones are named this way **Tropic of Cancer and Capricorn** – That the earth is split into zones that affect weather. **The Equator-** what it is and why the earth is divided the way it is **Biomes** – that specific animals and plants have evolved to survive in very specific Biomes **Vegetation belts** – areas of the planet have evolved to work with both the climate and the surrounding plants to produce life that can only be found in these areas. **extreme evolved located variety sustained adapted hemisphere tropics global warming ice caps poles deforestation extinct endangered**



Explain the climates of given countries in the world and **relate this to knowledge** of the hemispheres, the Equator and the Tropics. Research the diversity of life and climate and adaptations relevant to the zone.

Understand the term 'biome'.

Use knowledge of this term to make suggestions for places in the world which may be biomes.



Once the children are aware that the main types are tundra, desert, grassland and rain forest, children to **use maps to locate areas** they think may be biomes e.g. very green areas could be rainforests, flat pale ones could be deserts etc. **Defend reasoning using knowledge of maps**

Relate knowledge from Climate Zones and Biomes to what a vegetation Belt might be and why it is described as a belt. Make informed guesses and where a vegetation belt may occur on the planet – considering what we know about the Equator and the Tropics. Identify key geographical features of vegetation belts.

Working with a team pupils will investigate the different **flora** and **fauna** within a certain **biome**.

Complete the topic by looking and comparing 3 places from around the world. Looking at **human** and **physical** geography.

What is the current **population**?

What is the ethnicity of that population – can you see how people have **migrated** all over the world?

Are there any particular physical or human features in your city?