

#### What should I already know?

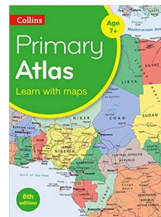
- ◇ Where some continents and countries are on the map/globe
- ◇ Some similarities and differences in climates around the world

#### Key Vocabulary

Latitude, longitude, co-ordinates, equator, altitude, Artic Circle., Tropic of Cancer, Tropic of Capricorn, Antarctic Circle, climate change, environment, endangered, sea levels, greenhouse gases, ecosystems, vegetation belt, biomes

#### Resources to help me with my learning!

- \* BBC Bitesize: <https://www.bbc.co.uk/bitesize/subjects/zbkw2hv>
- \* National Oak Academy: <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-2/subjects/geography>
- \* Collins Primary Atlas:



#### What will I know by the end of this unit?

- That invisible lines of latitude and longitude form a grid over the Earth. These lines help to create a co-ordinate to locate a place accurately.
- That the Equator is a line of altitude that runs around the middle of the Earth and is halfway between the North Pole and South Pole.
- That other important lines of Latitude include; Arctic Circle, Tropic of Cancer, Tropic of Capricorn and the Antarctic Circle.
- That climate change is the term used by experts when describing the way that both weather and climate systems are changing as a result of mankind's industrial activity across the world.
- That there are different environmental changes that are happening as a result of climate change. These include; glaciers shrinking, rising sea levels, animal species becoming endangered, trees and plants flowering much earlier in the year, plant species shifting locations
- That experts believe that humans are the main reason why the world's climate and weather are changing.
- That a key contributing factor is the creation of greenhouse gases caused by human activities. These include; electricity and heat, transportation, manufacturing and construction and agriculture (including fertilisers)
- That greenhouse gases make our planet hotter as when they are released into the atmosphere they prevent heat from escaping the Earth.
- That an ecosystem is a system of plants and animals which are interconnected and working together.
- That some ecosystems are found under a stone or in a pond and are very small, whereas others are very large and cover the majority of a continent.
- That an ecosystem covering a large area of a continent is called a biome.
- That a vegetation belt is the plant life within a biome.