



Our Changing World

Subject Specific Vocabulary		What will we be learning?	Potential Effects of Climate Change
biome	Any major regional biological community such as that of forest or desert.	<ul style="list-style-type: none"> The location of features of the Earth including the equator, lines of latitude and longitude and the Prime Meridian. What causes climate change and why it is an important issue. The effects of climate change on different biomes. Why a country's location and natural resources affect what they trade. Causes of natural source depletion and sustainable alternatives. 	
carbon footprint	A measure of the amount of carbon dioxide produced by a person, organisation or state in a given time.		
climate change	Large-scale and long-term change in the Earth's climatic system produced by global warming		
depletion	The consumption of a resource faster than it can be replenished.		
erosion	The result of having been worn away or eroded, as by a glacier on rock or the sea on a cliff face.	Key Knowledge	
fossil fuels	Any fuel derived from hydrocarbon. These fuels are non-renewable, and their burning generates the greenhouse gas carbon dioxide.	Climate change is caused by global warming. Human activity, such as burning fossil fuels, deforestation, habitat destruction, overpopulation and rearing livestock, all contribute to global warming.	Key Facts
landscape	An area of land as one can see it.	Deforestation occurs when trees are cut down or burnt for fuel, which releases carbon into the atmosphere. Trees also take in carbon dioxide, one of the gases that causes global warming.	
natural resources	Any source of wealth that occurs naturally, especially minerals, fossil fuels, timber, etc.	Global warming is causing climates around the world to change. If climates change, then biomes will also change and each biome is affected in different ways.	
Prime Meridian	The reference line at 0° longitude, passing through Greenwich, England, from which longitude east and west is measured.	Climate change is causing extreme weather events to become more frequent and more devastating. Millions of people all over the world are affected by extreme weather every year.	
sustainability	The ability to maintain, or keep something in existence.	Earth's natural resources provide everything we need to survive, such as air, water and food. Other natural resources, such as ores and fossil fuels, have also become an essential part of everyday life.	<ul style="list-style-type: none"> Since 1880, Earth's average temperature has increased by about 1°C. Climate change is causing extreme weather events to become more frequent and more devastating. Experts believe that the Arctic sea ice is melting at a shocking rate – 9% per decade. Over half of the world's rainforests have already been destroyed. Since 1900, the levels of carbon dioxide in the atmosphere have increased by 30 percent.