

Year 5

GEOGRAPHY - Weather and climate

Key Vocabulary	
weather	Short term conditions of the atmosphere such as rain, wind, sun on a particular day or week.
climate	The average weather conditions over a long period of time.
climate change	Long term changes in global temperatures.
Greenhouse effect	When the gases in the earth's atmosphere trap the sun's heat
Global warming	.Long term heating of the earth's surface and the oceans
Sustainability	Where humans can safely co-exist on planet earth with plants and animals.
Earth's atmosphere	A layer of gases that surrounds the earth to protect it.
Coastal erosion	Loss of land due to the action of waves or tides.
Polar regions	Areas around the North and South poles of the earth that consist mainly of floating ice and pack ice.
Temperate region	A temperate climate will have four seasons- spring, summer, autumn and winter.
Tropical region	Tropical regions lie in the middle of the globe near the equator. The tropics are warm all year and don't have seasons like the temperate regions.
Climate zones	Areas of land with distinct climates.
biomes	A community of plants and animals that have adapted to a particular climate.
equator	An imaginary line around the earth half way between the north and south poles.



Key Learning

- Describe the difference between weather and climate.
- Describe and explain the climate of polar, temperate and tropical regions
- Explain what the greenhouse effect is and its link to global warming
- Understand how climate change is different from global warming
- Understand some of the changes being caused by climate change in coastal areas of the United Kingdom
- Explain, evaluate and reach a judgement about how countries around the world are acting to reduce global warming
- Explain how individuals, families and communities like schools are taking action to reduce global warming. Link to new solar panels at Milecastle.

Are you a Milecastle Megamind?

What is the difference between weather and climate?

How are countries acting to reduce the impact of global warming?

How is climate change affecting coastal areas in the UK?

