

Geography

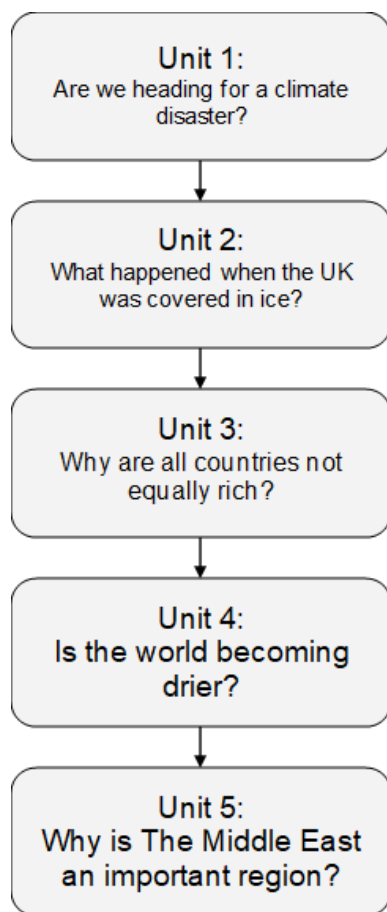
Are we heading for a climate disaster?

Assessment Opportunities	Literacy/Reading opportunities	CEIAG Links
<ul style="list-style-type: none">• During each topic students complete a mid-unit knowledge test based on the unit knowledge covered. Students also complete an end-of unit assessment which includes key vocabulary, knowledge questions, geographical and extend writing.• During each year, students complete a mid-year and end-of year assessment which assesses students on all content covered.	<ul style="list-style-type: none">• Tier 2 vocabulary is identified on page 2 of this SOL in the key knowledge list and is shown in italics.• Tier 3 vocabulary is identified on page 3 of this SOL in the key knowledge list and is shown in bold.• Reading opportunities take place regularly throughout all Geography schemes of learning. This is identified within this SOL (highlighted in blue).• Extended writing opportunities take place regularly throughout all Geography schemes of learning. This is identified within tis SOL (highlighted in yellow).	<ul style="list-style-type: none">• Use of satellite images• Use of different forms of maps to show and display information<ul style="list-style-type: none">• Using maps to display data• Links made to climatology• Impact of climate change on environment/people – links made to impact on future engineering• Impact of climate change on types of tourism and the tourism industry.

Curriculum vision:

“Our aim is to deliver a curriculum that is inclusive, relevant and progressive for all learners.”

<p>Possible Lesson Breakdown: Lesson 1 – What is climate change? Lesson 2 – Changing temperatures around the world Lesson 3 – Physical causes of climate change Lesson 4 – Human causes of climate change Lesson 5 – Causes of climate change extended writing Knowledge test Lesson 6 – Extended writing collective response feedback The Maldives Lesson 7 – Mapping The Maldives Lesson 8 – Avoiding a climate disaster Lesson 9 – Are we heading for a climate disaster? Extended writing. Lesson 10 – End of unit knowledge test. Personalised feedback</p>	<p>Unit Knowledge (key terms in bold)</p> <ul style="list-style-type: none"> • Definition of climate change • Definition of global warming • Evidence of climate change: <i>Long term shifts in the earth’s temperature in the last 11,000 years (last ice-age). Examples of changing weather patterns (tropical storms, UK weather hazards and droughts)</i> • The greenhouse effect • Physical causes of climate change: Volcanic activity, changes in the earth’s orbit, solar activity (sun spots, solar flares) • Human causes of climate change: air pollution, agriculture, deforestation. • The location of The Maldives • Impacts of climate change on The Maldives: sea-level rise, refugee, displacement 	<p>Writing Tasks</p> <p>Explaining the causes of climate change extended writing.</p> <p>Are we heading for a climate disaster?</p> <hr/> <p>Reading Tasks</p> <p>Physical causes of climate change Human causes of climate change</p>	
<p>Assessment: Lesson 5 Knowledge Test Lesson 10 Knowledge Test</p>	<p>Feedback Lesson 6 – Collective response Lesson 10 – Personalised feedback</p>	<p>Geographical Skills</p> <ul style="list-style-type: none"> • Using aerial photographs • Using maps on a range of scales • Interpreting climate data to make decisions • Line graphs/ bars charts • Describing human and physical landscapes (landforms, natural vegetation, land-use and settlement) and geographical phenomena from photographs 	<p>CEIAG</p> <ul style="list-style-type: none"> • Use of satellite images • Use of different forms of maps to show and display information • Using maps to display data • Links made to climatology • Impact of climate change on environment/people – links made to impact on future engineering • Impact of climate change on types of tourism and the tourism industry. <p>Career industry/ sector link Environmental protection and conservation Climatology Engineering Tourism industry</p>



Notes
This topic is an overview of current world climate and climate change. Within the unit, students will build on their knowledge of world climate from the end of year 7 and investigate the impacts that climate change can have, with a focus on the impact of changing weather patterns and sea-level rise in The Maldives.

Key Knowledge Themes:

- **Changing weather and climate:** Evidence of climate change and causes of climate change
- **Resources and their management:** Causes of climate change. Impact of sea level rise
- **Place knowledge:** The Maldives
- **A Connected World:** The causes and impacts of climate change

Links to Prior Learning:

- **Changing weather and climate:** Students have a basic understanding of world climate zones in relation to the equator due to shortened unit at the end of Year 7.
- **Resources and their management:** Students have covered population growth in rich and poor countries and should understand how the development of a country impacts resource use.
- **A Connected World:** Students may have a basic understanding of climate change however need teaching specific language, definitions and knowledge.
- **KS2:** Students should have covered the location of major world climate zones in Year 7.

National Curriculum Links:

- Physical geography relating to: weather and climate, including the change in climate from the ice age to present.
- Understand how human and physical process interact to influence environments and the climate.