

UNIT TITLE: 8.1 Are we heading for a climate disaster?



ALL SAINTS
Sixth Form College



THE ACADEMY OF
ST NICHOLAS

<p>Possible Lesson Breakdown:</p> <ol style="list-style-type: none"> 1. What is climate change? 2. How has the world's temperature changed? 3. What are the causes of climate change? 4. What are the causes of climate change? 5. Diagnostic/therapies 6. What are the likely impacts of climate change? 7. What does climate change mean for The Maldives? 8. Mapping Climate Change in the Maldives 9. Revision Lesson 10. Summative Assessment 	<p>Unit Knowledge: (key terms in bold)</p> <p>Knowledge Block 1</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).</i> <i>Examples of changing weather patterns (tropical storms, UK weather hazards and droughts)</i> <p>Knowledge Block 2</p> <ul style="list-style-type: none"> • The greenhouse effect • Physical causes of climate change: <i>Volcanic activity, changes in the earth's orbit, solar activity (sun spots, solar flares)</i> • Human causes of climate change: <i>air pollution, agriculture, deforestation.</i> <p>Knowledge Block 3</p> <ul style="list-style-type: none"> • The location of The Maldives • Impacts of climate change on The Maldives: sea-level rise, refugee, displacement 	<p>Assessment: Lesson 6: diagnostic/therapies - KB1 +2 Lesson 10: End of unit assessment</p> <hr/> <p>Literacy Tasks – Personalised feedback given on each Lesson 7 – What does climate change mean for The Maldives?</p> <hr/> <p>Skills Coverage</p> <ul style="list-style-type: none"> • Using atlas maps on a range of scales • Interpreting climate data • Line graphs, bar charts • Using satellite images
<p>Tier 2 Vocabulary</p> <ul style="list-style-type: none"> • Pattern • Hazard • Effect • Orbit 		<p>Notes</p>

5 Year Plan Outline

Unit 1:
Are we heading for a climate disaster?



Unit 2:
What happened when the UK was covered in ice?



Unit 3:
Why are all countries not equally rich?



Unit 4:
Is the world becoming drier?



Unit 5:
Why is The Middle East an important region?

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.