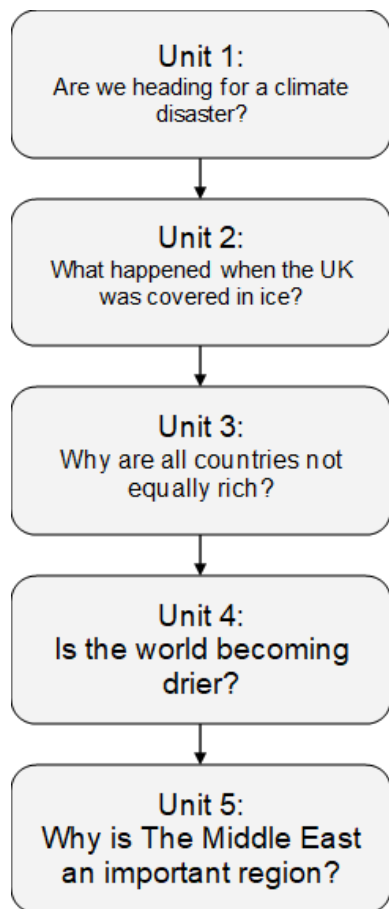


<p><b>Possible Lesson Breakdown:</b>                  Lesson 1 – What is climate change?                  Lesson 2 – Changing temperatures around the world                  Lesson 3 – Physical causes of climate change                  Lesson 4 – Human causes of climate change                  Lesson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

5 Year Plan Outline



**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.

<p><b>Key Knowledge Themes:</b></p> <ul style="list-style-type: none"> <li>• <b>Changing weather and climate:</b> Evidence of climate change and causes of climate change</li> <li>• <b>Resources and their management:</b> Causes of climate change. Impact of sea level rise</li> <li>• <b>Place knowledge:</b> The Maldives</li> <li>• <b>A Connected World:</b> The causes and impacts of climate change</li> </ul>
<p><b>Links to Prior Learning:</b></p> <ul style="list-style-type: none"> <li>• <b>Changing weather and climate:</b> Students have a basic understanding of world climate zones in relation to the equator due to shortened unit at the end of Year 7.</li> <li>• <b>Resources and their management:</b> Students have covered population growth in rich and poor countries and should understand how the development of a country impacts resource use.</li> <li>• <b>A Connected World:</b> Students may have a basic understanding of climate change however need teaching specific language, definitions and knowledge.</li> <li>• <b>KS2:</b> Students should have covered the location of major world climate zones in Year 7.</li> </ul>
<p><b>National Curriculum Links:</b></p> <ul style="list-style-type: none"> <li>• Physical geography relating to: weather and climate, including the change in climate from the ice age to present.</li> <li>• Understand how human and physical process interact to influence environments and the climate.</li> </ul>