

Specification Information	How this is covered in Lesson 1 or Lesson 2
<p><b>AQA Unit 1 – Investigating Climate Change</b></p> <p>1.4 What are the issues resulting from climate change</p> <ul style="list-style-type: none"> <li>• Increasing levels of extreme weather and the impacts on human activities.</li> <li>• Rising sea levels and their impact on people.</li> <li>• The variations of these impacts in different regions.</li> <li>• The impacts of climate change on society.</li> </ul> <p><b>AQA Unit 3 – Climatic Hazards</b></p> <p>1.4 What are the causes of low-pressure and high pressure hazards?</p> <ul style="list-style-type: none"> <li>• Low/high pressure system formation and associated hazards of storms and drought.</li> </ul> <p>1.5 What are the inter-relationships between human activity and climate?</p> <ul style="list-style-type: none"> <li>• The effects of low-pressure and high-pressure climatic hazards on human activity.</li> </ul>	<p>Lesson 1: The current level of extreme weather in the UK and the factors determining the effects of extreme weather on human activity.</p> <p>Lesson 2: The variations of climate change impacts by the 2080s, in terms of extreme weather and sea level rise, in different regions of the UK.</p> <p>Lesson 1: The distribution of hazards associated with low- and high pressure systems around the UK. The historic occurrence of storm and drought events in the UK. The regional distribution of such events. The factors determining the effects of climatic hazards on human activity.</p>
<p><b>Edexcel Unit 1 – World at Risk</b></p> <p>2. How and why are natural hazards now becoming seen as an increasing global threat?</p> <ul style="list-style-type: none"> <li>• Some types of hazard are increasing in magnitude and frequency, and having greater impacts upon people and their lives.</li> </ul> <p>5. What are the impacts of climate change and why should we be concerned?</p> <ul style="list-style-type: none"> <li>• The indirect impacts such as the eustatic rise in sea level (global inundation).</li> <li>• The impacts of climate change are difficult to predict and emissions scenarios, such as the IPCC model, may vary (from ‘business as usual’ to sustainable) and could be affected by attempts to manage</li> </ul>	<p>Lesson 2: The impact of climate change in the UK, as predicted by climate projections for the 2080s, on the magnitude and frequency of climate hazards in the UK.</p> <p>Lesson 2: The use of emissions scenarios to produce a variety of different climate projections for the 2080s, according to high, medium and low levels of greenhouse gas emissions. What these projections mean in terms of sea level rise in the UK and possible affect on storm surges. What these projections mean in terms of a more hazardous UK.</p>

<p>the impacts of climate change.</p> <ul style="list-style-type: none"> <li>• The evidence that combined impacts could lead to catastrophic, irreversible changes and contribute to a more hazardous world.</li> </ul> <p><b>Edexcel Unit 2 – Extreme Weather</b></p> <p>3. How are people and places increasingly at risk from and vulnerable to extreme weather?</p> <ul style="list-style-type: none"> <li>• Evidence that extreme weather hazards in the UK and elsewhere are becoming more frequent and involve higher risk due to natural and human causes such as climate change, demographics and land management.</li> </ul>	<p>Lesson 1: The current risk from extreme weather hazards in the UK and the factors determining the effects of extreme weather on human activity.</p> <p><b>Lesson 2: Evidence from future climate projections for the 2080s that extreme weather hazards may become more frequent and involve higher risk in certain regions of the UK due to climate change.</b></p>
<p><b>OCR Unit 3 – Climatic hazards</b></p> <p>How do atmospheric systems cause heavy snowfall, intense cold spells, heatwaves and drought and in what ways do they represent a hazard to people?</p> <ul style="list-style-type: none"> <li>• The formation of hazards, i.e. heavy snowfall, frost, drought.</li> <li>• How they represent hazards to people through blizzards, cold spells, heatwaves and droughts.</li> <li>• The impacts associated with these weather features for named areas at the local, regional and global scale.</li> </ul> <p>In what ways do human activities create climatic hazards?</p> <ul style="list-style-type: none"> <li>• The study of the causes and effects of global warming and global dimming.</li> </ul>	<p>Lesson 1: Hazard presented by snowfall, heatwaves and drought to people living in different parts of the UK. The distribution of these hazards. The factors determining the effects of climatic hazards on human activity. The human impacts are investigated indirectly by researching individual hazard events.</p> <p><b>Lesson 2: The impact of future climate change as predicted in projections for the 2080s on the occurrence of climatic hazards. The distribution of these impacts around the UK.</b></p>
<p><b>WJEC Unit 3 – Weather and Climate and Associated Hazards</b></p> <p>The climate of the British Isles</p> <ul style="list-style-type: none"> <li>• Storm events: their occurrence, their impact and responses to them.</li> </ul> <p>Global climate change</p> <ul style="list-style-type: none"> <li>• Global warming – possible causes. Possible effects: on a global scale, on the chosen tropical region (above) and on the British Isles.</li> </ul>	<p>Lesson 1: Historic examples of heavy rainfall and strong winds generated by storm events from around the UK. The regional distribution of such events.</p> <p><b>Lesson 2: Impacts of global warming on the British Isles through increase/decrease in threat from hazards by the 2080s.</b></p>