

Year 10 Unit 3 Overview – Weather Hazards & Climate Change

Completion date 7th January Test date 25th February

Target grade for tests:



You will learn about:

- Evidence for climate change
- Natural and human causes of climate change
- Impacts of future climate change
- Mitigating the impacts of climate change

You will be able to:

- Use case studies/examples to explain processes.
- Carry out research.
- Use and create graphs/diagrams/maps to describe information.
- Use literacy (PEEL and PEAL).

<p>Lesson Overview:</p> <ol style="list-style-type: none"> 1. What is the evidence for climate change? 2. The natural and human causes of climate change? 3. The impacts of climate change on people and the environment 4. Mitigating the impacts of climate 5. Revision & Consolidation 6. Assessment – Weather Hazards and Climate Change 7. Assessment DIT 	<p>Key Words:</p> <p>Adaptation – actions taken to adjust to natural events such as climate change, to reduce the damage, limit the impact, take advantage of opportunities, or cope with the consequences.</p> <p>Carbon capture and storage (CCS) – the use of technology to capture carbon dioxide produced from the use of fossil fuels in geological reservoirs.</p> <p>Carbon footprint – measurement of the greenhouse gases individuals produce, through burning fossil fuels.</p> <p>Climate change – a long-term change in the earth’s climate, especially a change due to an increase in the average atmospheric temperature.</p> <p>Extreme weather – when a weather event is significantly different from the average or usual weather pattern and is especially severe or unseasonal</p> <p>Fossil fuels - coal, oil and gas which are all non-renewable</p> <p>Natural causes of climate change – changes to the earth’s climate that are not influenced by humans e.g. orbital theory, sunspot theory and volcanic activity.</p> <p>Orbital change – changes in the pathway of the Earth around the sun.</p> <p>Mitigating – managing the impacts of something e.g. climate change</p>
<p>Suggested reading or support available:</p> <p>Class Geography page on the Virtual School GCSE AQA Textbooks, Revision Guides & Practice Exam Papers from the Geog.Department</p> <p>BBC Bitesize Website: http://www.bbc.co.uk/schools/gcsebitesize/geography/natural_hazards/</p>	<p>Cross curricular:</p> <ul style="list-style-type: none"> • SMSC: develop a critical understanding of the social and environmental impacts of climate change and how they impact different parts of the World. • Literacy: using key geographical terms, PEAL to write well balanced explanations and comparisons. Accurate SPAG. • Numeracy: to analyse compound line graphs for example showing carbon dioxide and temperature and to calculate averages and increases/decreases.