

Learning Program for Climate Change . GCSE Geography.

AQA Geography. Paper 1 Living with the physical environment

Topic/Content	Objectives/Skills	Homework	Assessment	Success Criteria (for E/S/D at KS3)	S&C
Climate change is the result of natural and human factors, and has a range of effects.	-To know the long term causes of climate change. -To explain the long term natural causes of climate change. -To apply your understanding to practice exam questions (using key detail and/ or developing your use of the PEE chain)	White CGP book pages 14 and 15.	Review of partner's notes. Writing questions about the climate change graph that others have to answer.	Developing: Will explain 2 or more causes using key details and develop explanations using the PEE chain consistently. Secure: Will explain a range (2+) or more causes using key details to fully develop explanations using the PEE chain and Link points together - PEEL. Excellence: Evaluate which natural causes for long term climate change has the biggest impact on the Earth's climate?	Writing questions about the climate change graph is open ended.
Evidence for climate change from the beginning of the Quaternary period to the present day. Possible causes of climate change: •• natural factors – orbital changes, volcanic activity and solar output	-To investigate the evidence for past climate change. -To know examples of what we have discovered about climate change. -To evaluate if climate change is currently caused by humans.		There is a practice exam question after the Scavenger Hunt	Developing: Will investigate evidence for past climate change Secure Will investigate evidence for past climate change and explain how examples work Excellence: Will evaluate the evidence for past climate change, and consider which is most reliable.	Scavenger Hunt allows independent learning. Review activity requires keyword recall
•• human factors – use of fossil fuels, agriculture and deforestation	-To know the main greenhouse gases and their human sources. -To describe how the concentration of greenhouse gases has changed. -To explain the process of global warming (enhanced greenhouse effect	Data response questions	Peer assessment of data response questions	Developing: Will know 3 of the main greenhouse gases (GHGs) and know where they come from, describe 3 things about the concentration of GHGs, will explain the enhanced GHG effect using 3 pieces of key detail. Secure: Will know a range of points (3+) about the main greenhouse gases (GHGs) and explain where they come from, describe a range of things about the concentration of GHGs, will explain the enhanced GHG effect using a range (3+) pieces of key detail. Excellence: May show an analysis of the amount of different GHGs or where they come from.	Writing ebi and www on exam questions
Overview of the effects of climate change on people and the environment.	-Know why sea levels are rising now and will in the future. -Examine the impacts climate change and of sea-level rise, to the UK. -Examine a global impact of sea-level rise, in Bangladesh (a vulnerable LIC).	Exam Question: Describe the negative effects that climate change is having on the environment.	Exam style question peer assessment. Sequencing of the effects in Bangladesh.	Developing: Will explain 2 pieces of evidence for rising sea levels, will categorise the effects of global warming about the UK and for Bangladesh, a vulnerable LIC. Secure: Will explain a range of evidence for rising sea levels, will explain and categorise the effects of global warming about the UK and for Bangladesh, a vulnerable LIC. Excellence: Will show an evaluation of how the UK or Bangladesh will be able to cope	Will be challenged to make links between effects.
Managing climate change involves both mitigation (reducing causes) and	-To prepare and present about one of the mitigation or adaptation strategies	Produce a factfile/poster about the Kyoto	Homework task is assessed.	Developing: will prepare some basic information about their chosen strategy Secure: will prepare a sound presentation, with evidence, images and other illustrations.	Pair work allows for own interests

<p>adaptation (responding to change). Managing climate change: •• mitigation – alternative energy production, carbon capture, planting trees, international agreements</p>	<p>- to make notes on other strategies</p>	<p>Protocol. Include the 5 W's</p>		<p>Excellence: will prepare an outstanding presentation than considers the strategy from a variety of angles, such as in terms of success, reliability, viability.</p>	<p>and independent research.</p>
<p>•• adaptation – change in agricultural systems, managing water supply, reducing risk from rising sea levels.</p>	<p>As above</p>	<p>CGP book pages 16 and 17</p>		<p>As above</p>	