|  |  |  |
| --- | --- | --- |
| **What will we be learning?**GCSE Paper 2 - The Challenge of Natural Hazards (Tectonic, Weather and Climate Change). | **Why this? Why now?**There are 3 hazards we learn about. We learn about tectonic hazards, a hazard that has no influence from humans, to weather hazards and then climate change. It is important to understand what weather hazards, such as tropical storms, are first before learning about how climate change impacts them. | **Key Words:**Natural HazardWeather HazardGACHigh/Low PressureTropical StormsSaffir-Simpson ScaleMitigationAdaptationCoriolis EffectFloodingStormsImmediate/Long Term EffectsShort/Long Term ResponsesDroughtCoreMantleCrustConvection CurrentsEarthquakesVolcanoesTsunamisConstructive DestructiveConservativePlate margins/boundariesHIC/LICPredict/Prepare/ProtectClimate ChangeCauses of CCEvidence of CCImpacts of CCSolutions of CCGlobal WarmingGreenhouse EffectRenewable EnergyFossil Fuels |
| **What will we learn?**Natural Hazards:* Natural hazards pose major risks to people and property.

Tectonic Hazards:* Earthquakes and volcanic eruptions are the result of physical processes.
* The effects of, and responses to, a tectonic hazard vary between areas of contrasting levels of wealth.
* Management can reduce the effects of a tectonic hazard.

Weather Hazards:* Global atmospheric circulation helps to determine patterns of weather and climate.
* Tropical storms develop as a result of particular physical conditions.
* Tropical storms have significant effects on people and the environment.
* The UK is affected by a number of weather hazards.
* Extreme weather events in the UK have impacts on human activity.

Climate Change: * Climate change is the result of natural and human factors, and has a range of effects.
* Managing climate change involves both mitigation (reducing causes) and adaptation (responding to change).
 |
| **What opportunities are there for wider study?**Careers* Hazard Management and Risk Management
* Urban Planning
* Volcanologist
* Geo Spatial Mapping: GIS
* Meteorologist for Met Office and Environmental Agency

Wider Reading**Costing the Earth** – There are some great podcasts here to pick from on a wide variety of geographical issues <https://www.bbc.co.uk/programmes/b006r4wn/episodes/player> (many topics, including amongst others.. climate change, carbon, urban greening, deforestation, alternative power, plastics etc.) **Royal Geographical Society** – “Ask the Geographer” podcasts - <https://www.rgs.org/schools/teaching-resources/ask-the-expert-podcasts/> - a fantastic set of podcasts to keep A Level studies up-to-date with the latest geographical research – pick out some that interest you and give them a go! |
| **How will I be assessed?**End of unit assessment consisting of a section from a GCSE past paper including 1,2,3,4,6 mark questions and a 9 marker case study question (either on Tropical Storms, Earthquakes OR Climate Change). |