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| Subject: Geography Year 10 Curriculum Map 2022-2023 | | | |
| Terms | **Topics covered** and **core knowledge and skills** | Links to careers | Links to the Knowledge organiser and other additional resources |
| Half term 1 | **Weather and Climate**  To explain why the Earth has different climates.  To know the terms climate and solar radiation.  To understand the global atmospheric circulation model.  To be able to explain the Hadley cells of the global atmospheric circulation model.  To understand how ocean currents affect climate.  To be able to explain what an ocean current is and why they affect climate using 2 examples.    To explain how the Earth’s climate has changed over time.  To be able to describe how the earth’s climate has changed. To describe the greenhouse effect. To name natural causes of climate change.  To understand how human activity effects the climate. To name the human causes of climate change, how that contributes to the greenhouse effect.    To explain how tropical cyclones form.  To know the conditions needed for tropical cyclones to form. To explain the formation of a tropical storm.    To understand the impacts of tropical storms?  To know the human and environmental impacts of tropical storms and how they are measured.  To understand the preparation and responded to tropical storms.  To know who to prepare for tropical storms and how countries and the world respond to them.  Case study- Typhoon Haiyan and Hurricane Katrina. Understand the impacts on countries and similarities and differences between countries preparation and responses.  **Tectonic Hazards:**  To explain how tectonic plates move  To know the characteristics of the different layers of the Earth and understand how tectonic plates move.  To understand the different plate boundaries.  To know the 3 plate boundaries and be able to identify which tectonic hazard occurs on them.    To know how volcanoes form.  To know how composite, shield and hotspots are formed and which plate boundary.  To understand the impacts and responses to volcanic hazards.  To define primary and secondary impacts and be able to name a few for each volcanic case study.  To understand how countries respond to volcanic eruptions.  To know how different countries respond to volcanic eruptions linking to case studies.  To understand the distribution and formation of earthquakes.  To explain where earthquakes occur around the world and why.    Japan vs Haiti- Which earthquake is more hazardous? To be able to compare and contrast impacts and responses to a developed and developing countries earthquake. | <https://www.bbc.co.uk/bitesize/articles/zbywwnb>  <https://www.bbc.co.uk/bitesize/articles/zrc7y9q> | This link would take you to the KO on our website but also maybe links to GCSE POD, Youtube etc  <https://maritime.rivoagency.com/admin/wp-content/uploads/sites/20/2022/10/Topic-1-Climate-Change-NEW-1-edit.pdf>  <https://maritime.rivoagency.com/admin/wp-content/uploads/sites/20/2022/10/Topic-1-Tectonics-edit.pdf>  <https://maritime.rivoagency.com/admin/wp-content/uploads/sites/20/2022/10/Topic-2-Development-Dynamics-edit.pdf> |
| Half term 2 | Development Dynamics |  |  |