Subject	Year	Term
Geography	8	Spring term 1
Topic		**Concept**
Do the benefits of living near tectonic hazards outweigh the risks?		Risk and Resilience

Content + skills (Intent)

Prior Learning (Topic)

KS1/KS2 –

- Place knowledge (tectonic plates/areas of tectonic risk)
- Understand key aspects of physical geography including volcanoes and earthquakes
- understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links,

KS3 at Balcarras – Why do rivers flood? Human impact on the physical landscape (Year 7)

Through this topic students will develop knowledge of locations of global tectonic significance and develop their understanding how this defines the physical and human characteristics within those locations. Students will explore the plate tectonic theory, and how this creates different plate boundaries. This will then be developed to look at landforms associated with different boundaries. The impact and responses of earthquakes and volcanoes will be studied to explore these natural hazards.

- Maps, atlas skills and GIS will be used to describe patterns of location and key terminology will be introduced .
- Students will explore place-based exemplars of tectonic hazards e.g. volcanoes looking at the effect this can have on the environment, economy and society.
- Students will gain an appreciation how the different attitudes, beliefs, and circumstances lead people to continue to live in areas of hazard risk.

All of the above will be tested through a graded assessment.

Future Learning (Topic)

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KS3 at Balcarras – Do we live in a world of conflict or opportunity? (year 9)
KS4 at Balcarras - Year 10 natural hazards
KS5 at Balcarras- Year 12- Hazards
Cross curricular- Science, Geology and Tectonics

How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)
A series of lessons covering: structure of the earth, tectonic plates and continental drift, earthquakes, volcanoes, living in a danger zone, survival and mitigation within tectonically active regions	Through an end of topic assessment which covers all elements of the topic. Marks for homework tasks. Marking of classwork.

How can parents help at home?

Support with homework and revision techniques for graded assessments. Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries e.g. Kate Humble in to the volcano

Visit the Natural history museum London
Websites to look at-
https://www.shelterbox.org/virtual-gifts/?gclid=EAIaIQobChMIpumSuK_U9AIVCAOLCh3sJgC7EAAYASAAEgLHM_D_BwE
https://www.usgs.gov/
https://www.nhm.ac.uk/visit/galleries-and-museum-map/volcanoes-and-earthquakes.html
https://www.esc.cam.ac.uk/research/research-groups/cambridge-volcano-seismology/all-about-earthquakes-and-volcanoes

Conversation Starters:

The bigger the earthquake the worse the effects
Dogs and other animals can "sense" when an earthquake is going to strike
Volcanic eruptions are the single biggest cause of climate change
Earthquakes don't kill people buildings do
It is impossible stop an earthquake
Did volcanoes kill the dinosaurs?

Helpful further reading/discussion

Reading	**Vocabulary Lists**	**Careers Links**
Volcanoes Around the World by Jen Green A girl of the smoke and stone by Imogen Howson Running Wild by Michael Morpurgo A girl of dust and death by Imogen Howson Night of the Howling Dogs by Graham Salisbury Earth Erupts: Volcanoes by Mary Colson Journey to the centre of the Earth by Jules Verne https://www.bbc.co.uk/blogs/tv/entries/7256d95f-acfe-3b6c-b93e-dd09201f4318	Crust, mantle, outer core, inner core, destructive subduction, destructive collision, constructive, conservative, hazard, tectonic plates, continental drift, convection currents, volcano, earthquake, tsunami	Jobs linked to the topic referenced within lessons. These include: Volcanologist, seismologist, engineer geologist, disaster relief worker, aid worker, volcano guide/vlogger https://www.bbc.co.uk/bitesize/articles/zrc7y9q https://www.geolsoc.org.uk/Geology-Career-Pathways/Careers/Job-Sectors/Natural-Hazards-and-Risk-Sector https://www.environmentalscience.org/career/seismologist https://www.environmentalscience.org/career/volcanologist