Lesson	Learning Objectives - The pupils should	Differentiation	Suggested teaching and learning activities	Possible Resources
	learn:	linked to assessment		
		grid		
1.	What is a natural hazard?	People and the	Concept mapping activity using pictures, newspaper	Various textbooks, e.g.
	 Definition of a natural hazard. 	environment,	headlines, maps and graphs to cover a range of natural	AQA GCSE, Progress in
	 Types of natural hazard. 	Geographical key	hazards.	Geography KS3
	 Factors affecting hazard risk. 	words,	Students identify, sort, categorise and link to discover what	Youtube clips
		Impact,	the connection is.	Photographs
		Theory	Students write up activity, possibly including some of the	BFCJ Work booklet (see
		(G1-7)	images as cut and stick.	PL)
2.	What is plate tectonic theory?	Theory,	Introduce the movement of continental plates with the film	Various textbooks, e.g.
	 Explain plate tectonics theory. 	Processes,	of 'Scrat's Continental Crack Up' on YouTube.	AQA GCSE, Progress in
	 Describe global distribution of 	Maps,	GIS-mapping activity using USGS website to plot active	Geography KS3
	earthquakes and volcanic eruptions	Using sources	volcanoes and earthquakes on a world map (plate margins	Youtube clips
	and their relationship to plate	(G1-7)	marked on optional). Describe and explain the distribution.	Photographs
	margins.		Draw out theory and the reasons for this, linking to the	Plate boundary maps
			YouTube clip.	BFCJ Work booklet (see
				PL)
3.	What happens at different plate boundaries?	Theory,	Teacher taught using animations, such as "Kung Fu Panda	Various textbooks, e.g.
	1 of 2 lessons	Processes,	Plate Tectonics" on YouTube	AQA GCSE, Progress in
	 Describe and explain the physical 	Maps,	Students to make well-annotated diagrams.	Geography KS3
	processes taking place at different	People and the		Youtube clips
	types of plate margins (constructive,	environment,		BFCJ Work booklet (see
	destructive and conservative) that	Geographical key		PL)
	lead to earthquakes and volcanic	words,		
	activity.	Using sources,		
		(G1-7)		
4.	What happens at different plate boundaries?	Theory,	Create models to represent the different plate boundaries,	Various textbooks, e.g.
	2 of 2 lessons	Processes,	using cardboard, PlayDoh or bread and jam to show the	AQA GCSE, Progress in
	 Describe and explain the physical 	Maps,	movement of plates.	Geography KS3
	processes taking place at different	People and the	Return to map to mark on the directional movement of the	Youtube clips
	types of plate margins (constructive,	environment,	plates and name examples of each margin across the world.	BFCJ Work booklet (see
	destructive and conservative) that	Geographical key		PL)
	lead to earthquakes and volcanic	words,		
	activity.	Using sources,		
		(G1-7)		

5.	What different types of tectonic hazard are	Describing places,	Teacher taught using animations and video clips, e.g.	Various textbooks, e.g.
	there?	Processes.	Volcanoes 101 (National Geographic).	AQA GCSE, Progress in
	 Describe what a volcano is; 	Impact,	Students to make well-annotated diagrams, could get them	Geography KS3
	differentiate between different	People and the	to sort characteristics and features of bothe shield and	Youtube clips
	types, e.g. shield and composite.	environment	composite volcanoes to assess understanding.	BFCJ Work booklet (see
	 Explain how earthquakes are caused. 	(G1-7)	Students to make well-annotated diagram of earthquake	PL)
	measured and monitored.		zone, labelling key features, e.g. focus, epicentre, seismic	,
			waves. Use 'Stick/Strain/Shift' to help them remember the	
			processes causing the release of seismic energy.	
6.	What factors cause a high rate of fatalities	Statistics,	Ask the question - What things can cause a high rate of	PL Powerpoint and
	when an earthquake strikes?	Graphs,	fatalities when an earthquake strikes?	resources
	 Investigate how severe earthquakes 	Hypotheses,	Ask about the relationship between magnitude and death	Calculators
	are using numerical and graphical	Patterns	toll. What do they expect?	Graph paper
	skills.	Conclusions	Give data (see PL for PowerPoint) – get them to calculate	
	 To calculate mean, median, and 	(G1-7)	mean, median, and mode. Use data to draw a scatter graph.	
	mode.		Get them to interpret the graph.	
	 To draw, and interpret, a 		Re-cap factors, both physical and human that ensure	
	scattergraph.		magnitude, by itself, does not determine high rate of	
			fatalities.	
7.	How do the effects of and responses to a	Using sources,	Card sort of effects of tectonic hazards into four groups	Various textbooks, e.g.
	tectonic hazard vary between areas of	Processes,	(primary, secondary, immediate and long term responses).	AQA GCSE, Progress in
	contrasting levels of wealth?	People and the	Draw from one example to model result for 2nd lesson.	Geography KS3
	1 of 3 lessons	environment,	Differentiate with group headings or let students classify	Youtube clips
	 Know and identify the primary and 	Conclusions	into their own groups.	BFCJ Work booklet (see
	secondary effects of a tectonic	(G1-7)		PL)
	hazard.			
	 Know and identify immediate and 			
	long-term responses to a tectonic			
	hazard.			
	 Begin to contrast effects and 			
	responses in contrasting areas (e.g.			
	HIC and LIC/NEE).	o		
8.	How do the effects of and responses to a	Collecting	Show clips and provide information on two earthquake case	Various textbooks, e.g.
	tectonic nazard vary between areas of	Information,	studies (e.g. Chile and Nepal).	AQA GCSE, Progress in
	contrasting levels of wealth?	People and the	Students write up findings into two I-Tables (effects and	Geography KS3
	2 of 3 lessons	environment,	responses).	Youtube clips

_					
		 Use named examples to show how the effects and responses to a tectonic hazard vary between two areas of contrasting levels of wealth. Build up two case studies (information gathering) 	Impact, People and their places, Using sources (G1-7)	Using model/template, students create a contrasting wealth example. It could be completed as a WebQuest, or using newspaper clippings, news videos, textbook examples or internet research.	BFCJ Work booklet (see PL)
	9.	 How do the effects of and responses to a tectonic hazard vary between areas of contrasting levels of wealth? 3 of 3 lessons Comparison focus. How do we effectively compare? Question answering/technique. Answer an assessment style question based on the information and skills developed. 	Written communication, Conclusions, People and their places (G1-7)	Complete task and compare and contrast activity as a class. Alternatively, could run as a paired teaching exercise. Two tectonic hazards, at contrasting levels of wealth, investigated by a pair of students. Write up into T-table structure and then teach the information to each other. Introduce the idea of a Hazard Wall (Top Gear style Cool Wall). Throughout unit, students can rank and classify any case study or examples that occur during their course and put them on the Hazard Wall, depending on severity of effect. Brings forward the idea of comparing across the natural hazard types	Various textbooks, e.g. AQA GCSE, Progress in Geography KS3 Youtube clips BFCJ Work booklet (see PL)
	10.	 What are the reasons why people continue to live in areas at risk from tectonic hazards? Identify reasons for living close to volcanoes, e.g. farming, tourism, geothermal energy. 	Describing places, Processes, Impact, People and the environment (G1-7)	Enquiry Lesson: "Why do we still live in areas at risk?" Show clip – they make a note of all reasons. Card sort to help develop reasoning. Create a mind map using pictures only, no words. Swap with partner to interpret.	Various textbooks, e.g. AQA GCSE, Progress in Geography KS3 Youtube clips BFCJ Work booklet (see PL)
	11.	 How can monitoring, prediction, protection and planning reduce the risks from tectonic hazards? Describe and explain the '3 P's'. Giving examples. Begin to assess the 'contrasting levels of wealth' dimension to this. Why are less developed regions at a disadvantage? 	Written communication, Conclusions, People and their places (G1-7)	Introduce the Three P's (Planning, Prediction and Protection). Students draw out examples of each P from their two case studies. Hypothesise/discuss why the contrasting examples were different.	Various textbooks, e.g. AQA GCSE, Progress in Geography KS3 Youtube clips BFCJ Work booklet (see PL)
	12.	End of unit assessment			