


Tectonism





A Programme of Study for Year 8 Geography
by Craig McVicar and Andy Ouma



Humanities at Quintin Kynaston School,
Marlborough Hill, London, NW8 0NL

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This Scheme of Work has been written by Humanities teachers at Quintin Kynaston School with an emphasis on achieving understanding of the subject rather than simply a drive to complete a syllabus. It is designed for our multi-cultural student body spanning a range of abilities. Wherever practicable we prepare [Differentiated Resources](#) (indicated by a ) for students with Special Needs, those who are early English learners and for gifted and talented students. Further work is in hand on

these. We also take into account National Strategies: specific tasks are indicated by  for **Literacy**,  for **Numeracy** and  for **Information Technology**. Topics supporting **Citizenship** are marked . This Scheme of Work will be reviewed and revised in due course.

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Key Question	Learning Objectives	Key Vocabulary	Suggested Activities	Resources	Homework
What is a volcano and what are the different parts?	<ul style="list-style-type: none"> To label the different parts of a volcano To define the different parts of a volcano To recite the different parts of a volcano from memory 	Hazard Tectonism Volcano	Annotate different parts of the volcano. Label and learn them. Write definitions from memory on A4 lined paper.	Key Geography Interactions Worksheet: Volcano cross-section diagram A4 lined paper	<ol style="list-style-type: none"> Memorize the parts of a volcano and definitions. Write 300 words on why a volcano is hazardous.
What are the effects of a volcanic eruption?	<ul style="list-style-type: none"> To list the effects of a volcanic eruption To categorise these effects as short or long term To evaluate them as to their degree of seriousness 	Eruption Hazard	Match heads and tails explaining why people choose to live near volcanoes. Place in the correct order the events of an eruption. Use colours to distinguish areas affected by volcanic eruptions. Decide whether effects are short term or long term. Categorise each effect as Serious, Very Serious or Extremely Serious.	Key Geography Interactions Geography in Action 3 Worksheet A4 lined paper	Search the internet for a named volcanic eruption and list its effects.

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How do people respond to volcanic eruptions?	<ul style="list-style-type: none"> To list the human responses to an eruption in a MEDC To explain responses before, during and after the event To consider what differences there would have been had it occurred in a LEDC 	Evacuation Hazard Seismometer Short-term Effect	Write answers to questions as video runs.	Video: 'Dante's Peak'	300 word essay on the differences if eruption had occurred in a LEDC.
How do people respond to the earthquake hazard?	<ul style="list-style-type: none"> To list the effects of an earthquake To explain the human responses to the earthquake hazard To evaluate these responses as to urgency and compare the responses of an MEDC to those of an LEDC 	Response Richter Scale	Classify the effects of an earthquake. Explain damage done by an earthquake. Explain how people might respond to the earthquake threat before the event. Evaluate different responses to the earthquake threat after the event. Compare the responses to the earthquake threat, before and after the event, in an LEDC vs an MEDC.	Key Geography Interactions Geography in Action Book 3 Worksheet	You are a member of the emergency services in a major city. Write a diary of your first 48 hours following an earthquake. Emphasise the difficulties you faced.
Where do earthquakes and volcanoes occur?	<ul style="list-style-type: none"> To state where in the world earthquakes and volcanoes have occurred To plot their incidence using latitude and longitude To compare the distribution of earthquakes and volcanoes with tectonic plate boundaries 	Boundary Latitude Longitude Tectonic Plate	Study the distribution of volcanoes and earthquakes. State areas where both occur, where only one occurs and where neither occurs. Plot earthquakes and volcanoes by latitude, longitude, country. Compare the distribution of earthquakes and volcanoes with that of the plate boundaries.	Key Geography Interactions Worksheet	Investigate the four different types of tectonic plate boundary and make short notes on their differences to prepare for next lesson.

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What happens at tectonic plate boundaries?	<ul style="list-style-type: none"> To define tectonic plate To describe the movement at each plate boundary To explain what happens at each type of boundary as a result of these movements 	Collision Conservative Constructive Destructive Tectonic Plate Margins	Label diagram of Earth structure. Describe the processes shown in the diagrams depicting each of the four plate boundaries. Rank the plate boundaries in ascending order of destructiveness to humans and justify your choice.	Key Geography Interactions Worksheet	Learn all plate boundaries. Be able to recite main points: how plates are moving and whether earthquakes, volcanoes or fold mountains form.
How do responses to tectonic hazards differ between LEDC and MEDC?	<ul style="list-style-type: none"> To list places where earthquakes and volcanoes have occurred To explain their consequences To differentiate between responses in a LEDC and a MEDC 	Earthquake Epicentre Lahar Mercalli Scale Richter Scale Seismometer Tectonic Plate Tsunami Volcano	Teacher to test students orally on homework. Fill in worksheet.	CD-ROMs: Physical World and Interactive Plate Tectonics	Explain how the responses to hazards differ between LEDC and MEDC. Use examples.

Abbreviations:

LEDC Less Economically Developed Country

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