

# A Level Geography evidence of extra reading/research booklet

## Topic: Tectonics

Name:

Teacher:

Target Grade:

### Areas Covered

- The global distribution of tectonic hazards
- Types of plate boundary
- The causes of intra-plate earthquakes
- Volcanoes associated with hot spots from mantle plumes
- The theory of plate tectonics and its key elements
- Processes that occur at different plate margins
- Different types of volcanic eruptions
- Different types of earthquakes
- Secondary hazards produced from tectonic events
- Impacts of secondary hazards
- What are tsunamis, how do they form and what are their impacts?
- Pressure and release model
- Hazards, vulnerability and resilience
- Social and economic impacts of tectonic hazards (volcanic eruptions, earthquakes and tsunamis) on the people, economy and environment
- The magnitude and intensity of tectonic hazards
- Understanding disaster impact and vulnerability
- Contrasting hazard events in developed, emerging and developing countries
- Trends in disasters over time
- Recognise how some disasters can become mega-events
- Multiple hazard zones
- How hazard models and frameworks are used for hazard management
- Mitigation and adaptation strategies





## Websites to get you started

### Hazard distribution

<http://www.markedbyteachers.com/as-and-a-level/geography/the-global-distribution-of-geophysical-hazards.html>

<http://naturalhazardsgroup.com/en/distribution.php>

<http://greenfieldgeography.wikispaces.com/Earthquakes+and+Volcanoes>

### Types of plate margin and what is found there

<http://oceanexplorer.noaa.gov/facts/plate-boundaries.html>

<http://www.coolgeography.co.uk/GCSE/AQA/Restless%20Earth/Tectonics/Plate%20margins.htm>

<http://pubs.usgs.gov/gip/dynamic/understanding.html>

<http://www.geography-site.co.uk/pages/physical/earth/plate%20boundaries.html>

### Tectonic theories

<http://csmres.jmu.edu/geollab/vageol/vahist/plates.html>

[http://www.bbc.co.uk/schools/gcsebitesize/science/21c\\_pre\\_2011/earth\\_and\\_space/continentaldriftrev1.shtml](http://www.bbc.co.uk/schools/gcsebitesize/science/21c_pre_2011/earth_and_space/continentaldriftrev1.shtml)

<http://www.infoplease.com/ipa/A0001765.html>

<https://www.geolsoc.org.uk/Plate-Tectonics/Chap1-Pioneers-of-Plate-Tectonics/John-Tuzo-Wilson>

<http://www.livescience.com/37706-what-is-plate-tectonics.html>

### Types of volcanoes

[http://www.bbc.co.uk/schools/gcsebitesize/geography/natural\\_hazards/volcanoes\\_rev3.shtml](http://www.bbc.co.uk/schools/gcsebitesize/geography/natural_hazards/volcanoes_rev3.shtml)

<http://www.bgs.ac.uk/discoveringGeology/hazards/volcanoes/types.html>

<http://www.geography.learnontheinternet.co.uk/topics/typesvolcanoes.html>

<http://pubs.usgs.gov/gip/volc/types.html>

<https://www2.usgs.gov/faq/categories/9819/2730>

## Types of earthquakes

<http://eschooltoday.com/natural-disasters/earthquakes/types-of-earthquakes.html>

<http://www.gns.cri.nz/Home/Learning/Science-Topics/Earthquakes/Earthquakes-at-a-Plate-Boundary/Tectonic-Plates-and-Plate-Boundaries>

## Secondary Hazards

<https://www.pnsn.org/outreach/earthquakehazards>

<http://www.crew.org/earthquake-information/earthquake-hazards>

[http://www.bbc.co.uk/schools/gcsebitesize/geography/natural\\_hazards/earthquakes\\_rev3.shtml](http://www.bbc.co.uk/schools/gcsebitesize/geography/natural_hazards/earthquakes_rev3.shtml)

<https://www.openhazards.com/step1-secondaryhazards>

<https://www.dur.ac.uk/ihrr/hazardsresearch/programmesofwork/whentheshakingstops/secondaryearthquakehazards/>

<https://bphw.wikispaces.com/Primary+and+secondary+effects+of+volcanoes>

<http://www.n-d-a.org/volcano.php>

## Tsunamis

<http://www.tsunami.noaa.gov/>

<http://environment.nationalgeographic.com/environment/natural-disasters/tsunami-profile/>

<https://www.ready.gov/tsunamis>

[http://www.bbc.co.uk/science/earth/natural\\_disasters/tsunami](http://www.bbc.co.uk/science/earth/natural_disasters/tsunami)

## Managing hazards

[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/287456/12-1298-disaster-vulnerability-resilience-theory.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/287456/12-1298-disaster-vulnerability-resilience-theory.pdf)

[http://www.bbc.co.uk/schools/gcsebitesize/geography/natural\\_hazards/managing\\_hazards\\_rev1.shtml](http://www.bbc.co.uk/schools/gcsebitesize/geography/natural_hazards/managing_hazards_rev1.shtml)

<http://www.slideshare.net/willwilliams7/managing-hazards-revision>

<http://www.hodderplus.co.uk/philipallan/pdfs/AQA-A2-Geography-plate-tectonics.pdf>

## Disaster trends

<http://www.slideshare.net/douglasgreig/tectonic-hazards-global-trends-overview>

<https://www.unisdr.org/we/inform/disaster-statistics>

<https://ourworldindata.org/natural-catastrophes/>

**You also need to be watching the news and reading newspapers**

**Topic Researched:**

**Summary of findings:**

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