

**Year 8**  
**Unit 1 - Tectonics**

| <b>Pathways</b>   | <b>Maps/Atlas Skills</b>   | <b>Describe (including statistical and graphical skills).<br/>Explanation (including analyse and interpretation)</b>  | <b>Geographical knowledge</b>  |
|-------------------|--|---|--|
| <b>Developing</b> | <ul style="list-style-type: none"> <li>Locate the major tectonic plates.</li> </ul>                              | <ul style="list-style-type: none"> <li>Label the four layers of the earth and describe the similarities and differences between them.</li> <li>Describe the process of convection currents using guidance.</li> <li>Describe the features of a destructive plate boundary.</li> <li>Describe how a volcano is formed at a destructive plate margin using guidance.</li> <li>Describe how an earthquake is formed at a conservative plate margin using guidance.</li> <li>Give examples of ways people can prepare for an earthquake.</li> <li>Identify the variation in effects of earthquakes in a MEDC and LEDC.</li> </ul>   | <ul style="list-style-type: none"> <li>Examine the impacts (social, economic and environmental) of the Eyjafjallajokull volcanic eruption.</li> <li>Examine the impacts of and earthquake in:               <ul style="list-style-type: none"> <li>The LA earthquake of 1994</li> <li>The Gujarat Earthquake of 2001</li> </ul> </li> </ul>                                    |
| <b>Secure</b>     | <ul style="list-style-type: none"> <li>Locate the all tectonic plates and some direction of movement.</li> </ul> | <ul style="list-style-type: none"> <li>Identify how the characteristics of each layer are similar and/or different.</li> <li>Describe the process of convection currents using key words.</li> <li>Describe the distribution of volcanoes around the world.</li> <li>Describe the features of a destructive and conservative plate boundary.</li> <li>Describe how a volcano is formed at a destructive plate using key words.</li> <li>Describe how an earthquake is formed at a conservative plate margin using key words.</li> <li>Explain the varying effects of earthquakes in a MEDC and LEDC.</li> <li>Explain how people can predict, prepare and protect themselves against earthquake.</li> </ul> | <ul style="list-style-type: none"> <li>Investigate (secondary research) the impacts (social, economic and environmental) of an eruption of a volcano of student's choice.</li> <li>Investigate the impacts of and earthquake in:               <ul style="list-style-type: none"> <li>The LA earthquake of 1994</li> <li>The Gujarat Earthquake of 2001</li> </ul> </li> </ul> |
| <b>Extension</b>  | <ul style="list-style-type: none"> <li>Locate all plate movement and name the boundaries and plates.</li> </ul>  | <ul style="list-style-type: none"> <li>Explain why some layers of the earth are hotter or colder.</li> <li>Describe the process of convection currents using key words.</li> <li>Explain the reason for the distribution of volcanoes around the world.</li> <li>Describe the features of a destructive, constructive and conservative plate boundary.</li> <li>Describe how a volcano is formed at a destructive and constructive plate margin</li> </ul>  | <ul style="list-style-type: none"> <li>Investigate (secondary research) the impacts (social, economic and environmental) of an eruption of a volcano of student's choice.</li> <li>Investigate the impacts of and earthquake in:               <ul style="list-style-type: none"> <li>The LA earthquake of</li> </ul> </li> </ul>  |

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|  |  | <p>using key words.</p> <ul style="list-style-type: none"><li>• Describe how an earthquake is formed at a conservative plate margin using key words.</li><li>• Explain the varying effects of earthquakes in a MEDC and LEDC linking it to wealth and development.</li><li>• Describe how and earthquake is measured.</li><li>• Explain how people can predict, prepare and protect themselves against earthquake.</li></ul> | <p>1994</p> <ul style="list-style-type: none"><li>○ The Gujarat Earthquake of 2001</li></ul> |
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