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**Knowledge Organiser: Year 3 - Earthquakes and Volcanoes**

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|  | **As geographers we will:**   * learn about volcanoes, how they came to be and what happens when they erupt. * learn about earthquakes and what causes them. * Learn about parts of the world where volcanoes and earthquakes are more common. |
|  | **Curriculum Drivers: Our place in history**   * I will learn about some key events in history linked to volcano and earthquake activity. |

**Technical Vocabulary ( Tier 2 Tier 3)**

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| **Tier 2** | |
| volcano | A mountain or hill, typically a shaped like a cone, that has a [crater](https://www.google.co.uk/search?sca_esv=595707050&q=crater&si=AKbGX_qMqBjhUm3ZRWjCp4_5aZjJoR293phrJl3i_c3aur7asI0VAm6xCUS9pCvcaFiog-gTACHHX-QM5qnXLHguUk-jXtn7Vw%3D%3D&expnd=1) or vent through which lava, rock fragments, hot vapour, and gas can (or has been able to) [erupt](https://www.google.co.uk/search?sca_esv=595707050&q=erupted&si=AKbGX_r0zqXEeLlZhGfi3fbO0QSWJiB_aiBeexVjsg5TK06WtsLUdFRhell0n0l5OXP8BrUzU9bxnq-FWfZhqUaY2PDOcT0Ykg%3D%3D&expnd=1) from the earth's crust. |
| erupt | To suddenly burst out causing lava to explode out of the earth’s surface. |
| magma or lava | Extremely hot liquid rock. Magma is molten rock that flows beneath the earth’s surface. When a volcano erupts, magma flows on the earth’s surface as lava. |
| Earthquake | A sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's [crust](https://www.google.co.uk/search?sca_esv=595707050&q=crust&si=AKbGX_oRjcCPa5QPMQwD2ABTMArQSe0K6sqPQpaa0Ce6ENmcP_UFhjYYF3fS6kx_G4C9qY10Z1QYuOU4x6WsqPAnFGy9Ke3G7g%3D%3D&expnd=1). |
| **Tier 3** |  |
| dormant | A volcano is considered dormant if it hasn’t erupted in the last 10,000 years but is likely to erupt again. |
| active | A volcano is considered active if it has erupted within the last 10,000 years. Active volcanoes could erupt at any time. |
| extinct | Volcanoes are considered extinct if they have not erupted in the last 10,000 years and are not expected to erupt again. |
| tectonic plates | The earth’s crust is made up of large areas called tectonic plates that join together. |

**Background**

