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|  | ***Why is the Earth Angry? – Spring Term 2***  ***Year 4 Geography*** | |
| **Key vocabulary** | Explanation/ definition | Key knowledge |
| **Avalanche** | A slide of large masses of snow, ice and mud down a mountain. | To recognise and explain the geographical patterns of where volcanoes and earthquakes are found on the Earth. |
| **Barometer** | A tool that measures atmospheric pressure. | To explain how volcanoes are formed. |
| **Beaufort Scale** | A scale from 0-12 that measures the force of wind. | To explain what causes earthquakes and how they are measured. |
| **Earth’s core** | Hot, dense centre of our planet. | To describe and understand how other natural disasters occur. |
| **Mantle** | Mostly solid layer between the core and crust of the Earth. | To explain how natural disasters such as volcanoes, earthquakes, tsunamis and tornadoes affect people’s lives. |
| **Crust** | Cool, brittle outer-layer of the Earth made up of **tectonic plates** meeting at **plate boundaries**. | To conduct a case study on the Icelandic volcano Eyjafjallajökull and the positive and negative effects it has had on the community living nearby. |
| **Volcano** | A fissure in the Earth’s crust through which lava and gases erupt. Volcanoes can be **active, dormant** or **extinct**. They are studied by **volcanologists**. |  |
| **Lava** | Hot molten or semi-fluid rock erupted on to the surface from a volcano originating from the **magma chamber**. Forms **igneous rock** when cooled. |
| **Richter Scale** | A scale of 1 – 10 used to express the magnitude of an earthquake. |
| **Tornado** | A violently destructive windstorm occurring over land. |
| **Tsunami** | A long, high sea wave often caused by earthquakes. |
| **Earthquake** | Vibration from underground movement along a **fault** plane. This movement starts immediately below a point called the **epicentre**. Earthquakes are studied by **seismologists**. |
| **Hydrothermal energy** | Power that is generated by using Earth’s hot water that has been heated by the Earth’s internal heat. |