**Knowledge Organiser – Spring 2024**

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| **Subject** | **Topic Title** | **Phase** |
| Geography  | Earth Matters | Year 5/6 |

 **Key Vocabulary What do I need to know?**

I need to know:

* The earth is made up of different layers including the crust and the core.
* That some countries are affected by earthquakes and the precautions people take when living in an earthquake zone.
* That earthquakes are measured and recorded using s seismograph.

**By the end of this topic, I will be able to:**

* Use maps to locate countries where earthquakes occur.
* Use appropriate vocabulary associated with earthquakes.
* Describe and understand the key aspects of an earthquake.

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| **Key Vocabulary** | **Definition** |
| **Atmosphere** | **The envelope of gases surrounding the earth or another planet** |
| **Crust** | **The earth's crust is the thinnest layer of our planet, and it contains all known life in the universe** |
| **Upper Mantle** | **The upper mantle is a very thick layer of rock inside the Earth.** |
| **Lower Mantle** | **The lower mantle is the region 400 to 1,800 miles below the Earth's surface, made of solid rock.** |
| **Outer Core** | **The outer core is liquid iron and nickel and generates the Earth's magnetic field.** |
| **Inner Core** | **The inner core is the central part of the Earth's core.** |
| **Earthquake** | **A sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's crust or volcanic action.** |
| **Plate Tectonics** | **The Earth’s surface is called the crust. It is made up of different rocky sections called tectonic plates, which fit together like a puzzle covering earth.** |
| **Seismic Waves** | **Seismic waves are vibrating movement of the ground.** |
| **Epicentre** | **The point on the earth’s surface where the effects of an earthquake are felt most strongly.** |
| **Seismograph** | **An instrument that measures and records details of earthquakes, such as force and duration.** |

