

Active Earth Year 6

Big Questions

1. Is there a relationship between tectonic boundaries and disaster locations?
2. Explain how earthquakes are caused.
3. Can you explain how people are affected by global disasters and how they have adapted?

Challenge

Independently, explain the impact volcanoes.

Knowledge

- Know about longitude and latitude
- Know about the difference in time zones
- Know where the ring of fire is and locate it on a map
- Know about the tectonic plates and the effect they have on the planet
- Know how volcanoes and earthquakes occur
- Know how people across the world are affected by global disasters
- Know how volcanoes are formed
- Know the effects of climate change on the weather (Environment Week)

Vocabulary

Volcano, magma, lava, viscosity, magma chamber, crater, tectonic plates, tsunami, earth's core, crust, seismometer, earthquake, aftershock, Richter scale, amplitude, tidal wave, population, energy, vibrations, seismic, flood, hurricane, tornado

Skills

Geography

Investigate places

- Identify and describe the geographical significance of latitude, longitude, equator, northern and southern hemisphere and time zones
- Investigate how societies have adapted to living in disaster-prone areas.

Investigate patterns

- Identify places in which earthquakes occur using a variety of sources (newspaper articles, accounts)
- Collect and analyse statistics and other information in order to draw clear conclusions about locations (tectonic plates and earthquake locations).
- Identify and describe the geographical significance of tectonic plates in relation to earthquakes.
- Hypothesise the likelihood of a disaster in a given location using extrapolation of created sources (earthquake)

Communicate Geographically

- Devise maps of locations identify patterns (tectonic plates and earthquake zones –*tracing paper*)
- Conduct an independent geographical enquiry into volcanoes.
- Explain how societies have adapted to living in disaster-prone areas.