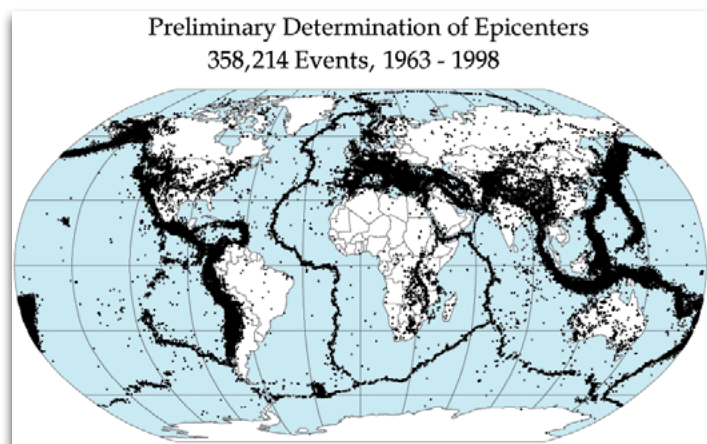


# Earthquakes



## Second & Third Level

This learning journey helps pupils to understand what earthquakes are, why they happen, how scientists are trying to predict them, and how we can keep ourselves safe from them.

### Curriculum links

#### Second Level

Having explored the substances that make up Earth's surface, I can compare some of their characteristics and uses. SCN 2-17a

I can describe the physical processes of a natural disaster and discuss its impact on people and the landscape. SOC 2-07b

I can extend my mental map and sense of place, I can interpret information from different types of maps and am beginning to locate key features within Scotland, UK, Europe or the wider world. SOC2-14a

I can describe the major characteristic features of Scotland's landscape and explain how these were formed. SOC 2-07a

#### Third Level

Having investigated processes which form and shape landscapes, I can explain their impact on selected landscapes in Scotland, Europe and beyond. SOC 3-07a

I can identify the possible consequences of an environmental issue and make informed suggestions about ways to manage the impact. SOC 3-08a

Having considered responses to a recent international crisis, I can contribute to a discussion of the effectiveness of the responses. SOC 3-19b

I can explore and use the features of a range of digital technologies, integrated software and online resources to determine the most appropriate to solve problems. TCH 3-01a

I can use a range of maps and geographical information systems to gather, interpret and present conclusions and can locate a range of features within Scotland, UK, Europe and the wider world. SOC 3-14a

## 1. Introduction to Earthquakes

Have a go at our quick quiz to see how much you know about Earthquakes already!

Watch a video of real earthquakes from lots of places across the world.

Read a resource to understand what tectonic plates are and how they relate to Earthquakes.

Read about what an earthquake is and the different kinds that can happen.

## 2. Force of Earthquakes

Understand what we mean by 'magnitude' and what kind of damage earthquakes can do.

Read about secondary disasters that can come after an earthquake.

## 3. Earthquakes Around the World

Based on your knowledge of tectonic plates, have a go at identifying the world's high-risk areas on a map.

Earthquakes in Scotland?! Read our resource to find out where, when, and why!

Read about some earthquakes around the world in recent history.

## 4. Earthquake Prediction

Read about how scientists try to predict earthquakes. Then your task is to invent a new way to predict earthquakes!

Read about the different strategies and approaches countries have taken to predict earthquakes.

## 5. Reducing Risk

In your classroom, think about how could we make ourselves safer against earthquakes? What kind of buildings might be a good idea?

Read about the development and design of earthquake-proof buildings.

Read this case study of earthquake education in Japan. Learn what Japanese children bring to school, and watch what an earthquake drill is like.

Have a go at an earthquake drill yourselves!