



Year 4 – Extreme Earth

CRUCIAL KNOWLEDGE

The Earth's crust is made up of moving sheets of rocks called tectonic plates

Tectonic plates move in different ways and this changes how our Earth looks

A volcano is a mountain or hill that has a hole in it

Lava comes out from a volcano and cools to make a new crust

Volcanoes are usually found along tectonic plate borders

Magma rises through the Earth's crust and holes in a volcano

EXTENDED KNOWLEDGE

The Earth has 4 main layers – crust, mantle, outer core and inner core

Erupting means the volcano is currently having an eruption

Dormant means a volcano isn't erupting but is expected to erupt again

Extinct means the volcano hasn't erupted in at least 10,000 years

The different parts of a volcano are crater, vent and magma chamber

Nearly 9 million people live within 30 miles of a volcano in South America

Crater: circular top of the volcano
Vent: where magma rises
Magma chamber: where magma is stored beneath the Earth's surface

Villarrica, Chile; Cotopaxi, Ecuador; and Ojos del Salado, Chile/ Argentina are all volcanoes in South America