

# Geography • Volcanoes: The Galapagos Islands

**Key Learning Question:** How were the Galapagos Islands formed and what makes them unique?



## Crucial Knowledge

- Most volcanoes are found along the edges of the world's tectonic plates
- Volcanoes are formed when magma, hot ash and gas escape through openings in the Earth's crust.
- Volcanoes look like mountains or small hills, depending on their type.
- Archipelagos like the Galapagos Islands are groups of loosely scattered islands
- Oceanic Islands are formed by volcanoes erupting from the ocean floor
- The Galapagos Islands are formed from volcanoes, some of which are still active.
- They have a varied topography with many different physical features
- Ocean currents move cold and warm water around the world, changing climate and temperatures
- The Humboldt current causes the Galapagos Islands to be cooler and wetter than some other tropical locations
- The Galapagos Islands have a high level of biodiversity, which is carefully managed by conservationists to protect the many unique species



## Key Vocabulary

**tectonic** Massive, irregular shaped slabs of solid plates: rock, forming the Earth's crust.

**Earth's crust:** The outermost solid shell of planet Earth

**magma:** Hot, fluid rock under the Earth's crust

**craters:** A large hollow that forms at the mouth of a volcano

**Ocean currents:** Movement of sea water in set patterns around the world

**archipelago:** A chain or group of islands

**Oceanic islands:** Islands formed by volcanic eruptions on the ocean floor

**Conservation:** The act of trying to stop resources being damaged or wasted

## Big Ideas:

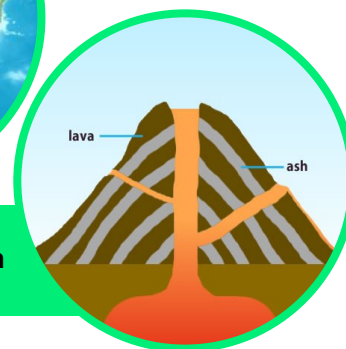
Locations and Mapping • The Human World • The Physical World • Human Impact • Physical Processes



## Location Maps



The Galapagos Islands



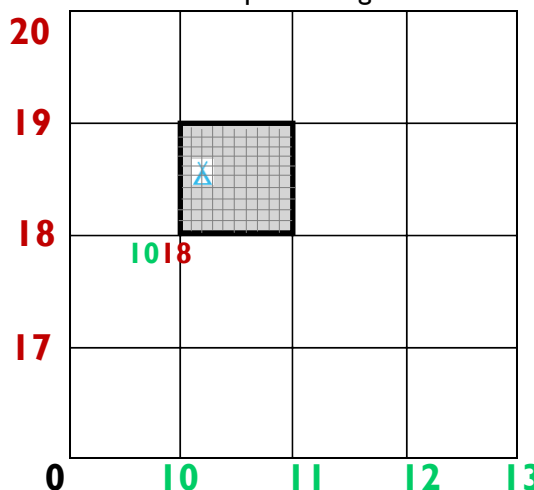
Volcano Diagram

## 6 Figure Grid Reference:

The grid reference 102185

The green and red numbers locate the large square.

The black numbers give a precise location inside the square using tenths.



## We Are Building Our Knowledge From

- Rivers: The Amazon (Y3)
- Climate: The Alps (Y4)