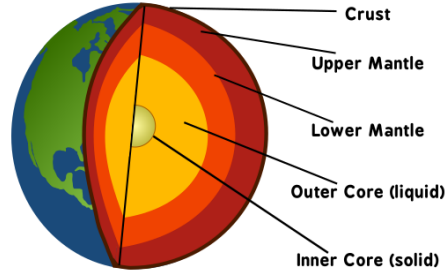




Knowledge Organiser - Why is the Earth so Angry? - Class 3



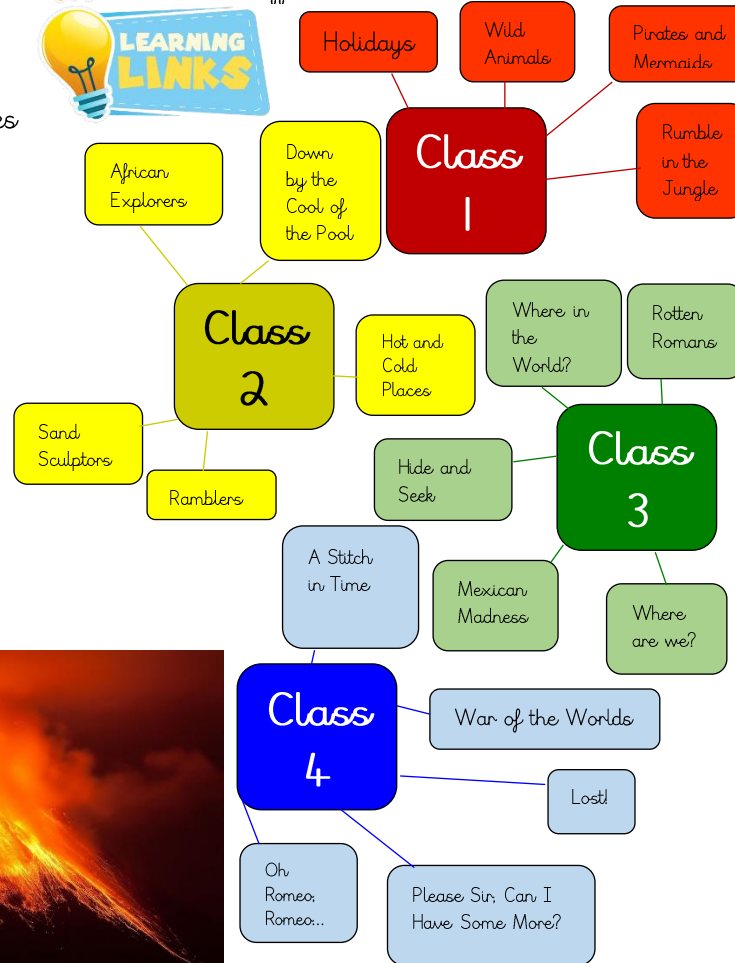
BIG Idea



There are many different places around the country, some are busy and have high populations, and others are areas with low populations. There are many physical and human features within an area, some are similar and others are different.

Sticky Knowledge

- ✓ The largest volcano in the world is Manua Loa (Hawaii).
- ✓ The volcano that destroyed Pompeii was called Mount Vesuvius in 79 AD.
- ✓ There are around 1350 active volcanoes around the world. The majority of them are on the Mid-Atlantic Ridge.
- ✓ The Ring of Fire is made up of more than 450 volcanoes near the southern tip of South America.
- ✓ An extinct volcano will never erupt again.
- ✓ A dormant volcano hasn't erupted in the past (last 10,000 years) and may do so again, but it is unlikely.
- ✓ An active volcano has erupted recently (within 10,000 years) and may do so again at any point.
- ✓ Great Britain sits on the Eurasian tectonic plate.
- ✓ A divergent tectonic plate moves away from each other.
- ✓ A transforming tectonic plate slide past each other (sometimes causing earthquakes).
- ✓ A convergent tectonic plate moves together; sometimes they push upwards together, or one plate can go underneath the other.



Vocabulary

- Erupt/eruption-** an explosion causing lava to come out of the earth's surface.
- Fossils-** the remains of plants and animals from long ago.
- Magma-** liquid rock.
- Tectonic Plates-** plates under the earth's surface that join together like a jigsaw.
- Layers-** one on top of another.
- Soil-** a mixture of organic matter, minerals, gases, liquids, and organisms.
- Humus/Leaf Litter-** the top layer of the earth; rotting dead leaves and animals.
- Topsoil-** the second layer where plant roots grow; few rocks.
- Subsoil-** the third layer where tree roots usually grow; full of nutrients, rocks and stones. Fossils are at this level.
- Bedrock-** solid rock; fossils are at this level.
- Crust-** thin outer layer of the earth.
- Mantle-** second thicker layer of the earth; liquid rock.
- Outer Core-** third layer of the earth; iron and nickel, mostly liquid, with some rocky parts.
- Inner Core-** hottest layer of the earth.
- Volcano-** a rising from the earth that allows magma, gases and rocks from it.
- Magma Chamber-** a chamber containing liquid rock within it.
- Lava-** liquid rock after it has left the volcano.
- Vent-** an opening in a volcano.
- Crater-** the top of the volcano.
- Extinct volcano-** will never erupt again.
- Dormant volcano-** not erupted in a while, but could still do so.
- Active volcano-** has erupted recently and is likely to do so again.

