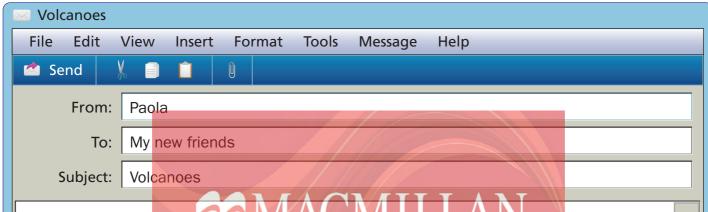
1 Volcanoes

In this unit you will

- learn and give information about volcanoes
- identify personal pronouns and the present simple of the verb to be and other verbs
- use this knowledge to plan and write an email

1 • Listen and read



Dear friends,

My name is Paola. I am 12 years old. I live in Naples in Italy Naples is a city near the volcano Mount Vesuvius. I am interested in volcanoes. I think that they are fascinating. Are there any volcanoes in your country? Isknew about Vesuvius but I want to know more about volcanoes in general because I need to do a presentation at school. Can you help me?

Thank you very much.

Paola

PS I am attaching two pictures: Mount Vesuvius and Naples. I hope you like them.



Mount Vesuvius is an active volcano. The last big eruption was in March 1944.



Today about three million people live near Mount Vesuvius.

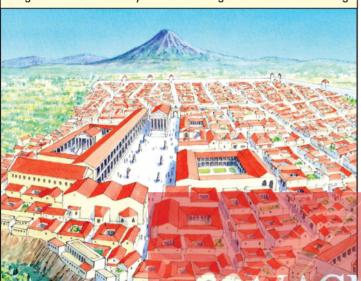


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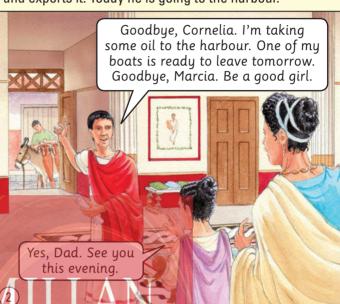
The last day of Pompeii

2 Old Look, listen and read

Pompeii is a commercial Roman city. There are many rich people in Pompeii. Trading is very important. Today is 24th August AD 79. It is early in the morning and the sun is shining.



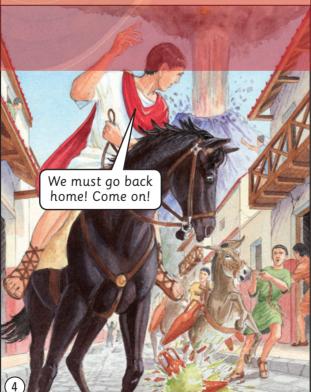
Marcus Cornelius is a rich man. He lives in a very big house with his wife and daughter. He produces olive oil and exports it. Today he is going to the harbour.



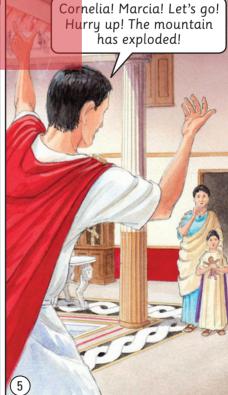
Marcus Cornelius and his servants start the journey to the harbour.



Suddenly, the ground shakes and there is a big explosion. A high column of smoke appears in the sky trischeming from the top of Wount West Vibsish

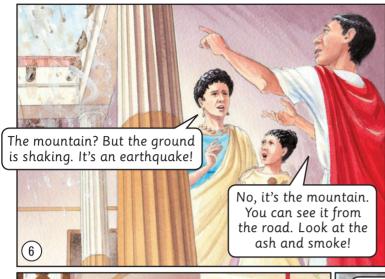


Marcus Cornelius is very scared. He calls his wife and his daughter.





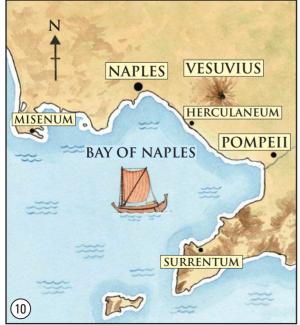




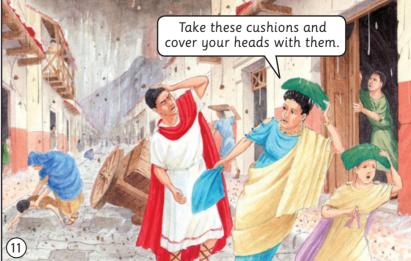


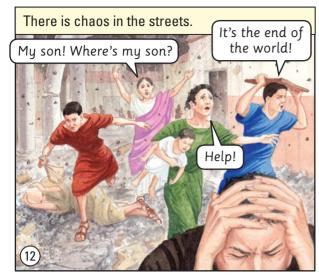






The harbour is about two kilometres away. The situation is getting very bad. It is raining ash and stones. One stone hits Marcus Cornelius on his head.



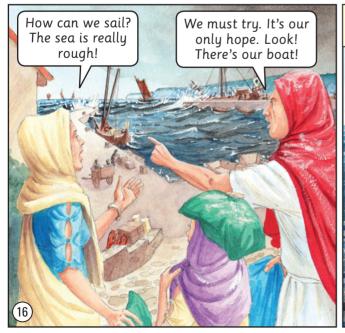


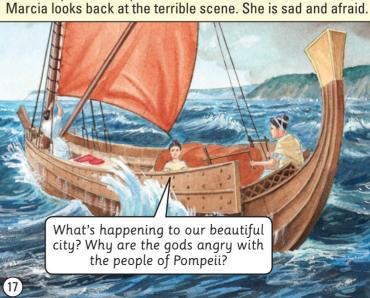


It is 11 am but it is dark. A cloud of ash and stones covers the sun. The air smells of sulphur. It is almost impossible to breathe. Big rivers of lava run down the slopes of Mount Vesuvius.









The family must escape to Misenum to survive. On the boat,

3 Tell the story in groups







- 1 Write a different end to the story. Did the family escape? Did they go to a different town?
- 2 Think of ten things that happened to the Cornelius family when they arrived in Misenum. Who did they meet? Where did they sleep? etc. Tell your classmates.

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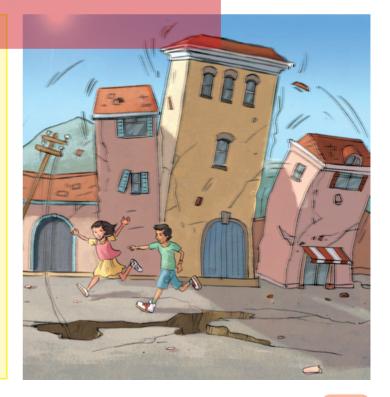
4 • Read the poem

What do you do when the ground shakes, shakes, shakes, shakes?
What do you do when the mountain shakes, shakes, shakes, shakes?
What do you do when the house shakes, shakes, shakes, shakes?

You escape, escape! You escape when the ground shakes.

Escape from your room! Escape from your house! Escape from your school! Escape from your town!

You escape, escape! You escape when the ground shakes.

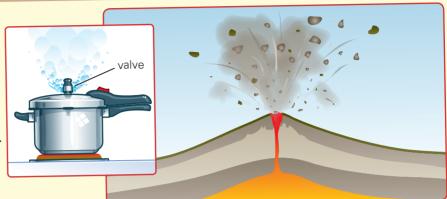




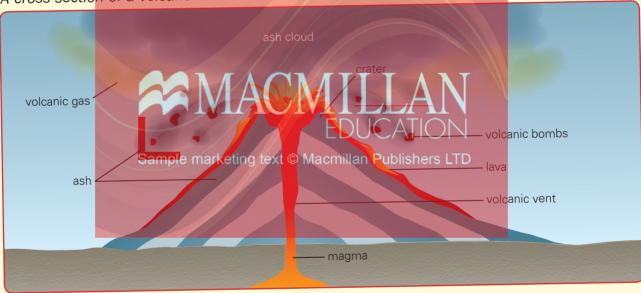
Read and listen

Why volcanoes erupt

This is a pressure cooker. Steam escapes through a valve. A volcano is a pressure valve of the Earth. When a volcano erupts, excess energy inside the Earth comes to the surface. It pushes out through the crater of a volcano.



A cross section of a volcano



Magma is the hot molten (liquid) rock and gas inside the Earth.

Lava is the magma that comes out of the Earth in a volcanic eruption. Lava can be over 1,200°C!

Ash is pieces of lava or rock smaller than two millimetres in diameter.

An ash cloud is a cloud of ash formed by volcanic explosions.

A volcanic vent is the channel for magma to travel up towards the surface.

A crater is the mouth of a volcano around a volcanic vent. It is usually circular.

Volcanic bombs are rocks bigger than 64 millimetres in diameter.

Volcanic gas is the gas that goes into the atmosphere when there is volcanic activity. Some gases are toxic and can kill people.

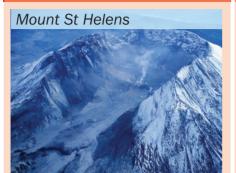




2 Listen and speak

There are three different types of volcano:

1 Active



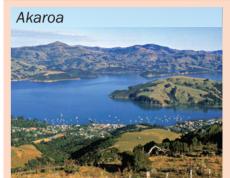
The volcano is 'alive'. Eruptions are frequent.

2 Dormant



The volcano is 'asleep'.
The last eruption was a very long time ago, but it may erupt again.

3 Extinct



The volcano was 'alive' many years ago, but after many thousands of years there are no signs of activity at all.

Examples

- Mount St Helens in the USA
- Popocatépetl in Mexico
- Vesuvius in Italy

Examples

- Teide in Spain
- Mauna Kea in Hawaii

Examples

- Akaroa in New Zealand
- Puy de Dôme in France



Super Tour 2

- 1 Mark the different volcamoes mathetical hales bearillan Suthichworld. To
- 2 Find some more volcanoes in the world. Mark them on your map and write whether they are active, dormant or extinct.
- 3 Find out which is the closest active, dormant and extinct volcano to where you live.

3 Om Listen and read

When the plates under the Earth's surface move, they sometimes crash. There is a lot of pressure under the surface.

There are more than 500 active volcanoes in the world. Many of these volcanoes are in the 'Ring of Fire' in the Pacific Ocean.



Ring of Fire

About 80% of the Earth's surface is volcanic in origin, including the sea bed and many mountains.

Geysers and fumaroles are also signs of volcanic activity.



Geyser



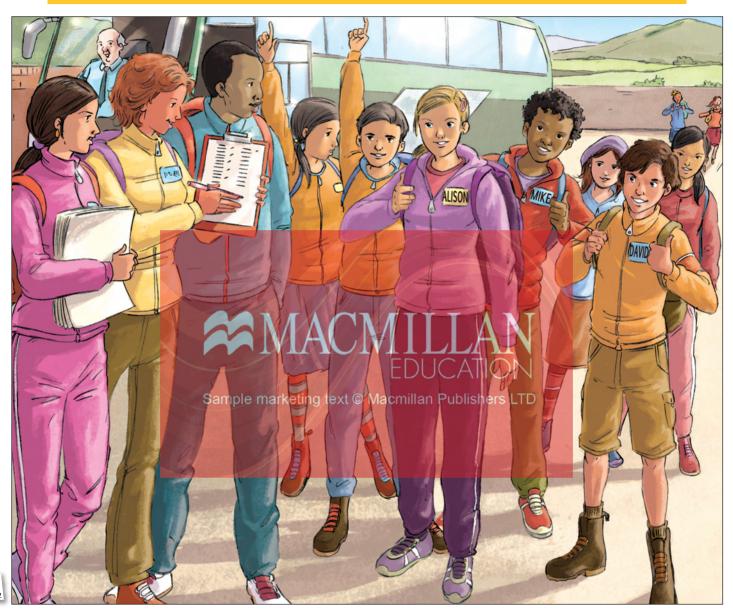
Fumarole



1 Language stop

1 Om Listen and find the people

Sandra Helen Richard Laura Mr Barnes Peter Joanna Mr Smith



2 Read and answer

I lead the group.

You teach geography.

He drives the bus.

She helps on the trip.

It takes people to the volcano.

We like adventure.

You go to Greendale School.

They study geography.

1 Do you remember what happens to the verb when the pronoun is he/she/it?
2 Can you explain the rule in English?
3 Is there a rule in your language, too?



Say what you and your classmates do. Make sentences with *help*, *like*, *go*, *study*, *play*, *watch*, etc.



1 Listen and read

 The word volcano comes from the name of Vulcan, the god of fire in Roman mythology.



2 There are volcanoes on land and under the sea. About 80 volcanoes under the sea are erupting now or will erupt in the next few years.

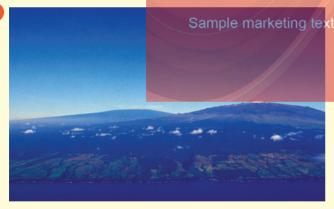


Most European volcanoes are on the Mediterranean coast. Santorini, on the island of Thira, erupted in 1470 BC and destroyed the civilization of Crete. Vesuvius, in Italy, erupted in AD 79 burying the towns of Pompeii and Herculaneum.

Mount Etna, on the island of Sicily, is the largest active volcano in Europe and one of the most active in the world. The last eruption was in May 2008.

Eolic is the name of a group of small Italian islands to the north of Sicily. All the Eolic islands are volcanic. The eruptions of Stromboli and Vulcano created the two beautiful islands with the same names.

Jules Verne is the author of the famous novel Journey to the Centre of the Earth. The journey Sample marketing text Mategins at the volcano Snæfellsjökull in Iceland and ends at Stromboli.



The Hawaiian islands, in the Pacific Ocean, are volcanic. Mauna Loa, on the island of Hawaii, is the largest and most active volcano on Earth. The last time it erupted was in 1984. The Hawaiian name Mauna Loa means *long mountain*.

volcanoes in Iceland, an island in the Atlantic Ocean. Eyjafjallajökull is one of those volcanoes. It erupted in April 2010. A large ash cloud went into the sky above Europe and planes could not fly over Britain, France, Germany, Switzerland and many other countries for about six days. There was chaos at many airports!





Super Tour 4

- 1 Make a mind map with the word *Volcano* in the middle. Write the headings: *Under the sea*, *Hawaii*, *The Mediterranean coast*, *Iceland* and use the information on this page.
- 2 In groups, find out more about one of the volcanoes on this page and create your own story about when it erupted.



1 O Read

The legend of Popocatépetl and the princess

This legend comes from Mexico in the time when the Aztecs lived in the valley where Mexico City is today.

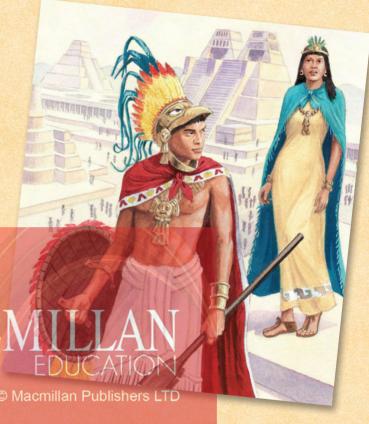
The Aztec Emperor Tizoc, his wife and their daughter, Princess Iztaccíhuatl, lived in a beautiful palace in the city of Tenochtitlan. Izta was in love with Popocatépetl, one of her father's soldiers.

One day Popocatépetl asked Tizoc for permission to marry the princess, but the emperor did not want Popocatépetl to marry his daughter. Then the emperor had an idea. He sent Popocatépetl to war with the promise of marrying Izta if he returned victorious.

Some months later, some soldiers returned to Tenochtitlan. They said that Popocatepeti was dead and that he died in battle. Izta was so sad that she died of grief.

It was not true that Popocatépetl was dead. When he returned victorious to Tenochtitlan, he was very happy. He went straight to the emperor's palace. There the emperor told him that Izta was dead. Popocatépetl went to Izta's grave and knelt at her side. The gods covered them with snow and changed them into mountains.

If someday you visit Mexico City, you will see the two beautiful volcanoes, one next to the other: Popocatépetl with Iztaccíhuatl lying at his side and always covered with snow.



2 Read and answer - true or false?

- 1 Mexico City is now in the valley where the Aztecs once lived.
- 2 Tizoc wanted his daughter to marry Popocatépetl.
- 3 Tizoc promised that Popocatépetl could marry Izta if he was a good soldier in the war.
- 4 Izta was very sad when she heard that Popocatépetl was dead and she also died.
- 5 Popocatépetl never returned victorious.
- 6 The emperor turned the soldier into a mountain.





Super Tour 5

- 1 Read the text again and find the words beginning with a capital letter.
- 2 Why are these words written with a capital letter? Write who/what they are, for example, *Mexico is a country*.