

Friday 26th February 2021

All activities have been uploaded to Seesaw.

Literacy:

I See, I think, I Wonder

Write what you see, what you think and what you wonder about this image:



Grammar - Synonyms

Video explaining Synonyms on Seesaw.

Try and find 3 synonyms for each of the following words and write them in the boxes.

fast			
small			
cold			
hungry			

Can you match the word to its synonyms? The first one is done for you.

hideous	drenched	saturated
nasty	ugly	gigantic
enormous	cross	furious
angry	delighted	horrible
happy	awful	joyful
soaked	huge	repulsive

Can you complete these sentences using different synonyms for good?

eg I think that chocolate tastes great.

1. My dad is a _____ cook.
2. I am _____ at ballet.
3. My favourite subject is art, it is _____.
4. My best friend is a _____ person.

Extra Challenge: Think of some of your own words and write some synonyms for each like in the video.

Reading - Volcanoes

Last week I asked you what you wanted to learn about and some of you said Natural Disasters. Today's reading task will be linked with Volcanoes.

Work through the following BBC Bitesize link, watching the video and reading the text:

<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc>

Next, read the text below about volcanoes. Then answer the questions that follow.

What Is Our Earth Made Of?

The Mantle

The mantle is approximately 2897km thick and is made of a solid, rocky substance called molten rock or magma. This is what escapes when a volcano erupts.

The Inner Core

This is a solid layer and is made of iron and nickel. It is the hottest part of the earth and can reach temperatures of up to 5500°C!

The Outer Core

The outer core is a liquid layer made out of molten iron and nickel. This liquid metal creates the earth's magnetic field.

The Crust

This is the outer layer of the earth. It varies in thickness from 0 – 60km thick. It is not even and is made up of pieces which overlap to cover the entire planet. These pieces are called 'tectonic plates'.

How Are Volcanoes Formed?

Deep in the earth, it is extremely hot. It is so hot, in fact, that rocks actually melt and form magma, which makes up the mantle of the earth.

The upper mantle mixes and moves, which creates pressure underneath the crust. This pressure can sometimes cause the mantle to leak out onto the surface of the earth – **this is a volcano!**

Over time, as this magma leaks out, the volcano will get bigger and bigger.

The Three Stages of Volcanoes

Scientists have placed volcanoes in to three different categories.
What do you think each one is?

Active

An active volcano is one that has erupted recently, and there is the possibility that it may erupt again.

Dormant

A dormant volcano is one that has not erupted for a long time, however, it may still erupt in the future.

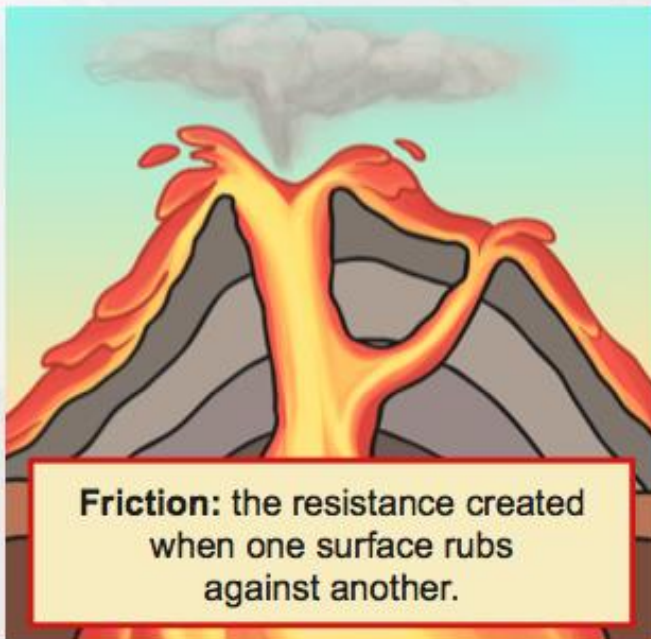
Extinct

An extinct volcano is one which has erupted thousands of years ago, but it will probably never erupt again.



Why Do Volcanoes Erupt?

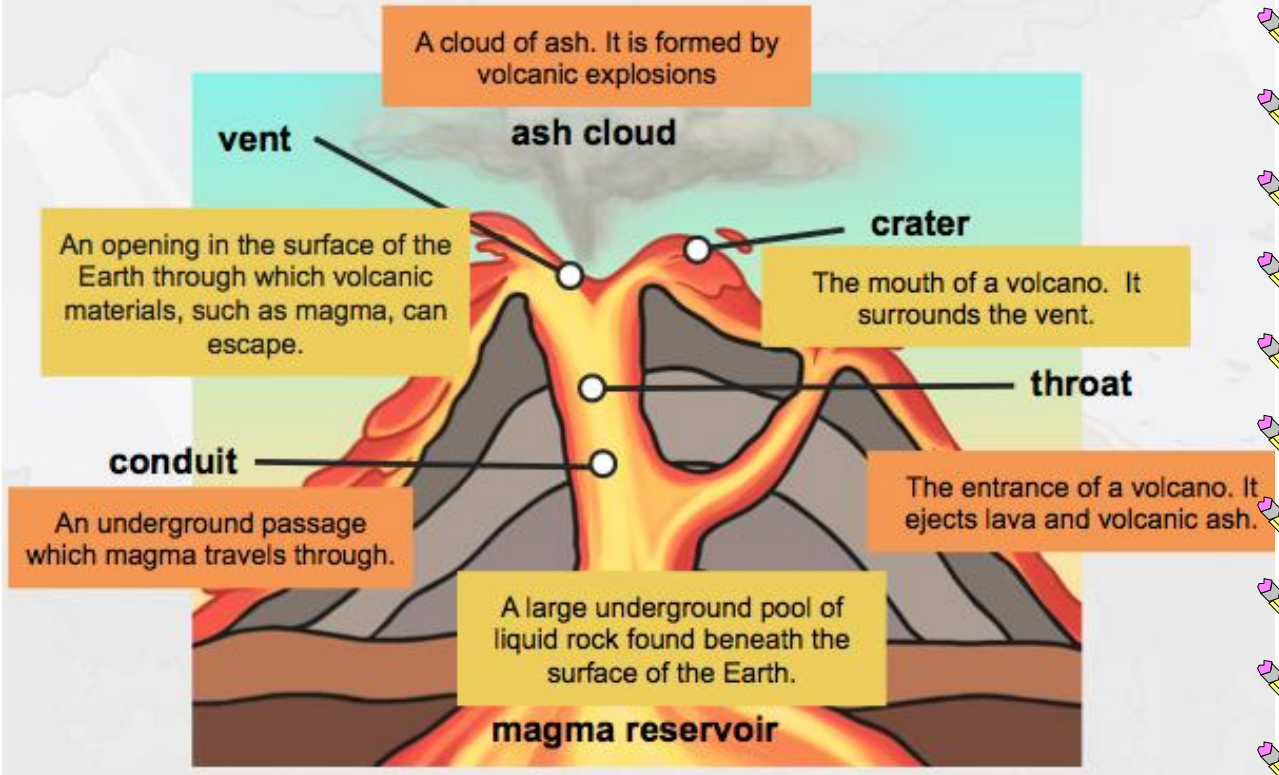
We know that the earth's crust is made up of huge slabs called tectonic plates. These fit together like a jigsaw puzzle and they sometimes move.



Friction: the resistance created when one surface rubs against another.

The movement causes **friction** which causes earthquakes and volcanic eruptions near the edges of the plates. The theory that explains this process is called 'plate tectonics' – this means the plates are moving in different directions and at different speeds. Sometimes they collide or brush past each other and cause these earthquakes and volcanic eruptions.

What Are the Different Parts of a Volcano?



Glossary

Forged: to have made or shaped a metal object using a fire or furnace.

Molten: something made into a liquid by heat.

Magma: hot fluid or semi-fluid below the earth's crust.

Friction: the resistance created when one surface rubs against another.

Heat conductor: something which can transfer heat from one object to another.

Archaeologist: someone who studies history using evidence from fossils and artefacts.

How Many Volcanoes Are There?

There are more than 1500 active volcanoes on Earth. There are also more than 80 volcanoes under the ocean, although these are just the ones that have been discovered.

More Volcano Facts

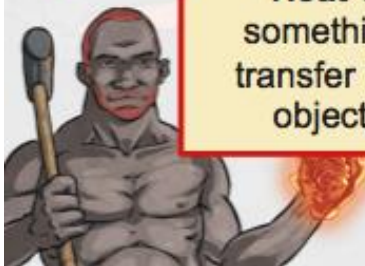
What is the difference between magma and lava?

Magma is liquid rock inside a volcano. Lava is the name for liquid rock that has flowed out of a volcano. Lava takes a long time to cool down as it is not a good **heat conductor**. As a lava flow cools down, it gets slower and thicker.

What is a 'pyroclastic flow'?

This is the most deadly of all volcano activities. It is a liquidised mixture of solid and part-solid fragments and hot, expanding gases. They look like a snow avalanche but are extremely hot and contain poisonous gases. They move at the speed of a hurricane.

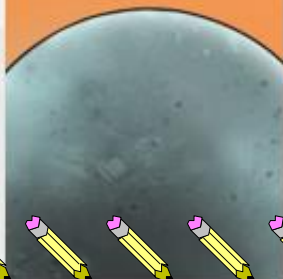
Heat Conductor:
something which can transfer heat from one object to another.



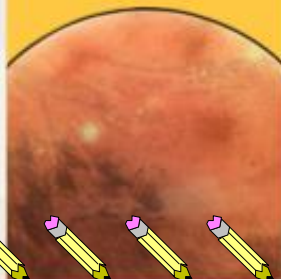
Are There Volcanoes on Other Planets?

Earth is not the only planet to have volcanoes, although most of the volcanoes on other planets are now extinct.

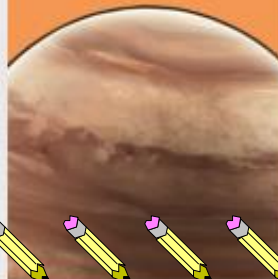
Mercury used to have volcanoes but when the planet's interior cooled down, the volcanoes died.



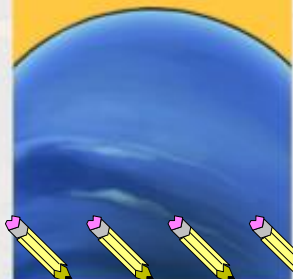
Mars has the largest known volcano called Olympus Mons. It is no longer active and will probably never erupt again.



Io is one of Jupiter's moons and has several active volcanoes.



Triton is Neptune's largest moon. Instead of lava, the volcanoes on Triton actually release ice.



Questions (Answer in sentences):

1. How is a volcano formed?
2. What are the three categories of a volcano?
3. What is magma?
4. How many volcanoes are there on Earth?
5. Which planet has the largest known volcano?
6. Write down 3 interesting facts you have learned about volcanoes.

Science:

Read the instructions below to create your own volcano at home. Take a photo or video and upload to Seesaw!

Make Your Own Volcano Science Activity

You will need:

1. Washing up liquid
2. Vinegar
3. Plastic cup
4. Bicarbonate of soda
5. Red food colouring



You could build a paper mache volcano and put the cup inside it for extra effect!



Method:

1. Fill your cup just over half full with water, add 3 teaspoons of bicarbonate of soda and give it a good stir until most of the bicarbonate of soda dissolves.
2. Add two drops of red food colouring and a good squirt of washing up liquid into the cup and once again give it a stir.
3. Make sure your volcano is in the kitchen or outside (or somewhere you don't mind making a mess).
4. Quickly pour in just under a quarter of a cup of vinegar and enjoy your very own volcanic eruption!

The science behind it:

You just made a chemical reaction! By mixing the acid (vinegar) and the alkali (bicarbonate of soda), bubbles of carbon dioxide (CO₂) were released like in a pyroclastic flow. A pyroclastic flow moves very fast and is extremely dangerous, whilst lava flows move slowly and aren't much of a threat.

French Friday:

A French activity will be uploaded today by Miss Howarth! 😊

Numeracy:

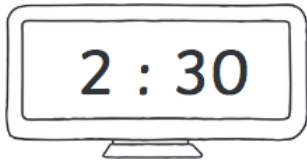
Telling the Time - Half Past on Digital clocks

Video explaining Digital Half Past on Seesaw.

Then complete the sheets below, filling in the missing digital half past time.

What is the time?

Write digits in the clocks to show the time. The first one has been done for you.



half past 2



half past 5



half past 10



half past 8



half past 12



half past 3



half past 9



half past 7



half past 1



half past 4



half past 11



half past 6

Half past eight



Half past one



Three o'clock



Eleven o'clock



Half past two



Half past four



Ten o'clock



Six o'clock



Now practise through playing this time game:

<https://www.sheppardsoftware.com/math/time/clock-splat-game/>

Daily 10

<https://www.topmarks.co.uk/maths-games/daily10>

Have a go at 10 questions each day.

Choose your own level (**MILD Level 2**, **HOT Level 3**, **SPICY Level 4**, **EXTRA SPICY Level 5-6**), then choose multiplication and select your challenge.

Health and Wellbeing:

PE with Joe Wicks

Another Joe Wicks PE at home sessions. Follow the link below:

<https://www.youtube.com/user/thebodycoach1>

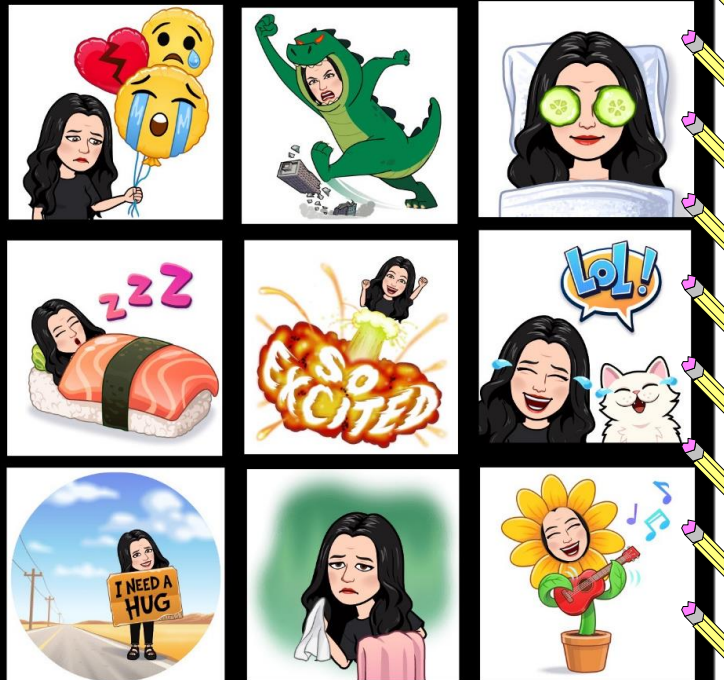
Daily Check In

How are you feeling today?

Show me how you feel by circling the Bitmoji that matches your mood. Tell me how you feel and why.

Circle how you are feeling today.

Add a picture or drawing of yourself imitating my Bitmoji!

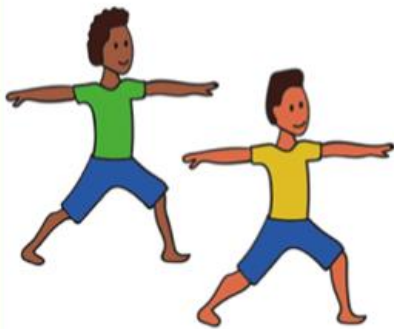


Resilience Alphabet - E for Exercise

Over the next few weeks we are going to look at each letter in turn, trying to build up our resilience skills. Today's letter is E. Follow the Instructions. Take a photo or video of your exercise.

E is for Exercise

Ee



Exercise

We know that exercise is important to give us a healthy body both inside and outside. Like plants we need fresh air and sunshine to grow and feel good, so getting outside to exercise is important for us too.

Think: What is your favourite kind of exercise?

Say: "I am exercising every day, so my body and brain are full of energy."

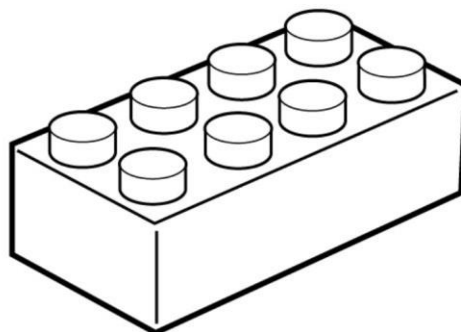
Do:

- How many different kinds of exercise can you do today?
- You can go on a walk, skip, jump, run, climb the stairs, star jumps, box the air
- Try to include someone else and have fun together!

Art

Think Outside the Box... TRICKY EDITION!

Complete the picture. Be creative! It's not what it looks like. IT IS NOT LEGO BRICK!



Creative Thinking! Goal: Have Fun!

QUICK! DRAW SOMETHING

BENEATH THESE KIDS
TO **BREAK** THEIR **FALL!**



Why not download some mindful colouring for over the weekend:

<https://young.scot/media/8080/young-scot-colouring-pages.pdf>