Linadale Primary School

Year 5-6 Home Learning Week 3 18th Jan 2021

Please find enclosed your learning pack for week 3. Expectations are that you spend 4 hours a day on your home learning. Remember that you can contact me on Google Classroom if you need any help.

GPS- LO – To use expanded noun phrases

Using the images below, identify all the nouns that you can see. Then expand those nouns. Let's see who has the longest list! For example 1. snow the powdery, white snow

2. beret the azure, felt beret

English – I propose that we watch the rest of Alma on Tuesday morning – I will send you a Teams invite out on Google Classroom on Monday – I will then set the rest of the English work based around the film.

Maths.

Please complete your UFOs and send a challenge on TTRS. In class we have all set new targets – some of us have reached them and some are very close. We are currently joint 18th place- let's get into the top 10!

Division Revision!

https://www.youtube.com/watch?v=d9wZkyqnd7Q Use this video for a reminder of dividing a 2/3 digit number by a 1 digit number where there is a remainder. Then complete the division sheets in your packs. If you are confident, and want a challenge, move on to looking at division using decimals instead of remainders- watch these videos first.

https://www.youtube.com/watch?v=dXqz-1sRYYE

https://www.mathswithmum.com/division-decimal-remainders/

Guided Reading

Extreme Environments- re- read the text and answer the following 6 questions based on pages 8,9 *Ada Blackjack- Survivor in an Icy Wilderness.*

1. Why did Ada Blackjack decide to join the mission to Wrangel Island? Answer as fully as possible.
2. True or false ? – By January 1923 all of the food supplies had run out.
3. True or false? – Ada learned how to shoot woolly mammoths.
4. List the hardships that Ada suffered whilst stranded.
5. Circle the word closest in meaning to malnutrition
   hungry, frozen, loneliness, deficiency
6. Imagine you are Ada's sick son. Write a diary entry either describing your feelings when your mum didn't return or how you felt when she was rescued.

Use Myon and continue to read the book that is in your pack or any book of your choice from home.

Topic- Geography

Choose a volcano anywhere in the world – there are lists in your pack and make a fact file about it please.

LO To explain the formation of landforms.

In your pack this week you will have received your own personal packet of Oreos- THEY ARE NOT TO EAT!!!! Instead, I want you to be an amateur geologist and see how tectonic plates move. Below are the full instructions ….
Remember to take photographs and put them on Google Classroom – only then can you eat the leftovers!

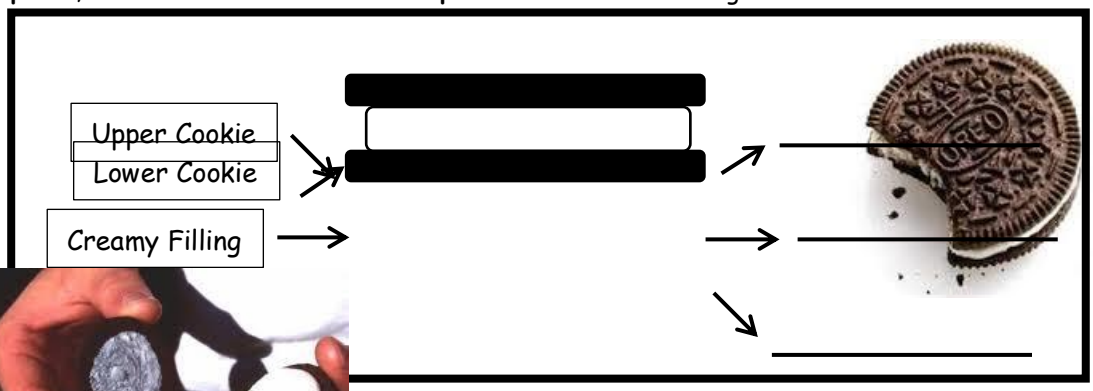
LO: To explain the formation of landforms.

Oreo Cookies and Plate Tectonics

Amateur geologists can simulate how plates move on the Earth's surface.

The term **tectonics** originates from the Greek word "tektõn," referring to a builder or architect. **Plate tectonics** suggests that large features on Earth's surface, such as continents, ocean basins, and mountain ranges, result from interactions along the edges of large plates of Earth's outer shell. This outer shell is called the **lithosphere** from the Greek "lithos," meaning hard rock. The plates, composed of Earth's crust and uppermost mantle, ride on a warmer, softer layer of the mantle, called the **asthenosphere**.

In our experiment, the upper cookie will represent the **lithosphere**, the creamy filling the **asthenosphere**, and the lower cookie the **mesosphere**. Label the Oreo diagram below:



Plates

move in three basic ways. Let's look at them one by one.

Choose a cookie. **Don't eat it…yet!**

- First, carefully remove the upper cookie (a "twisting" motion is required).
- Slide the upper cookie over the creamy filling. This motion simulates the movement of a rigid _____ plate over the softer _____.
- Next, break the upper cookie in half. As you do so, listen to the sound it makes. What does that breaking represent?

_____

Divergent boundaries

- Let's look at divergent plate boundaries. Divergent means _____.
- Now slide the two pieces apart and gently push down on both. What happens to the creamy filling?

  _____
  _
- The creamy filling between the two broken "plates" may tend to flow upward. When two plates move apart at a divergent boundary, the magma underneath decompresses and flows upward also. This creates a _____.

Convergent boundaries

- Now let's look at convergent plate boundaries. Convergent means _____.
- Take the two cookie halves and slowly push them toward each other. What happens to the filling as the plates slide together?

  _____

  _____
- What happens to the cookies as they push against each other?

  _____
- As one cookie (plate) moves underneath the other we call it _____.

At convergent plate boundaries, the cold, brittle lithosphere extends to great depths, and ***deep earthquakes*** *occur. The very largest earthquakes are at subduction zones where two plates get stuck together for centuries, then suddenly let go.*

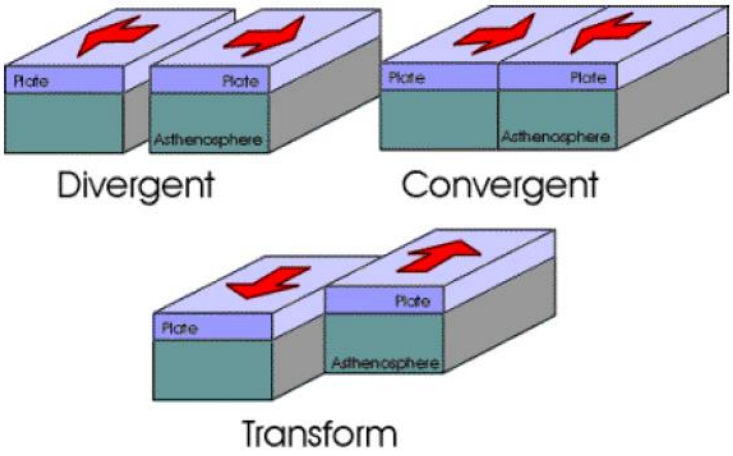
Transform boundaries

- Now let's look at a **transform plate boundary**. Try sliding the two cookie pieces laterally past one another, over the creamy filling. What do you notice about the cookie edges?

  _____

You can feel and hear that the "plates" do not slide smoothly past one another, but rather ***stick then let go, stick then let go****. The cracking sound you hear each time is like an earthquake occurring along the San Andreas Fault in California.*

Some of the Earth's landforms are created by **hotspots** where a plate rides over a fixed "plume" of hot mantle, creating a line of volcanoes. Imagine if a piece of hot, glowing coal was imbedded in the creamy filling (the **asthenosphere**) – a chain of 'volcanoes' would be burned into the overriding cookie.



Science

Some of you may need longer to focus on the differences in life cycles from last week. If you are confident, please move onto the next objective, which is to describe the life process of reproduction in some plants.

This is a helpful website https://classroom.thenational.academy/units/reproductive-cycles-d195

There are also activities in your pack.

Art –

In your pack this week you will find some card and chalk along with 4 Hockney images. Choose your favourite to recreate this week- remember to post on Google Classroom.

P.E- Your parent will have received an extra e mail this week detailing a challenge set for your household from Mrs Bell. Good luck!

PHSE – Complete the daily diary, which helps you talk about your feelings and staying positive in the new year.

Music- listen to music by Enya – do some research about her and her genre of music. Can you pick a favourite from her album? I love Orinoco Flow.