BLUE PLANET LEARNING WEEK: Let’s investigate!

Geography: Ocean Layers

Watch the video on the different layers of the ocean.

https://www.youtube.com/watch?v=1ArwPfNgSKE

Now with an adult you can create your own ocean layers in a jar – using golden syrup, water, oil, surgical spirit and washing up liquid. Follow instructions at the following website.

https://www.icanteachmychild.com/make-ocean-zones-jar/

Alternatively draw and label a diagram of the layers of the sea using as many factual terms as you can.

PE

The depth of the Marinas Trench is roughly the height of Mount Kilimanjaro in Tanzania. To climb to the bottom you would have to walk down 2,578 flights of stairs.

In teams with your family or carers, or on your own, try and climb as many flights of stairs as you can.

If you don’t have stairs there are roughly 15 stairs in a flight so instead of climbing you can jump 38,670 times.

Do not run and always pay attention to your safety and others at all times.

If you struggle with stairs or jumping you can clap, throw a ball or any other activity 38,670 times – or as many as you can.

Science – investigate the impact of plastic on plant life in the ocean

You will need: soil, glass containers, newspaper, plastic bag and seeds.

Place the soil in the two glasses. Place the seeds on the soil – no need to cover and water. Cover one with newspaper and one with plastic (straight on top of the soil). Water sparingly each day.

Now watch the video below for the science

https://www.youtube.com/watch?v=fVwVjytbgfs

Write up your experiment using the subtitles below.

Title, introduction, hypothesis (what you think is going to happen) method.

Once finished write up the conclusion (what happened). There will be a template Lab Report online to help you if you need the structure.

History – research how the oceans were formed from the big bang theory until present day.

Then write a Chronological report or draw a time line depicting how life has changed in our oceans since the beginning of life.

Focus on how animals evolved or how the continents were formed and moved from one giant land mass called Pangea until they represent the seas and oceans we see today and the animals we all love and recognise. Make sure to decorate it with diagrams and pictures.

Geography

Find a picture of the world.

Try and name as many oceans and seas as you can.

Practice every day and see how you improve over the course of the week.

Blue Planet Learning Week

Chose from the mixture of geography, history and science activities above to complete at your own pace. You may not have all the equipment to finish some of the tasks – you can substitute or change them to suit what you have at home.

Please e-mail your work to your class teacher so we can compile as many examples as possible.