

Oceans and Seas

Week 2 - Pacific Underwater World

Monday: Where is the Pacific Ocean?

Tuesday: What lives in the Pacific Ocean?

Wednesday: The Great Barrier Reef Safari

Thursday: The Great Barrier Reef comes to Life!

Friday: Finishing off!

Monday 15 June

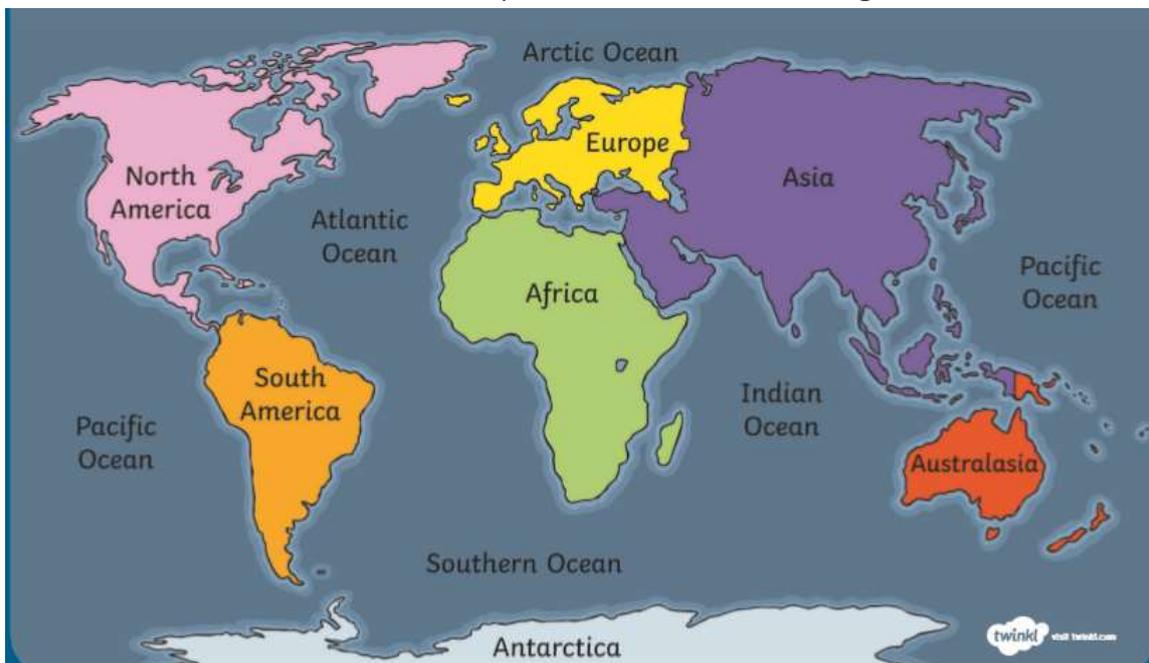
LF: We are learning how to locate and begin to compare the Pacific and Atlantic oceans

Where is the Pacific Ocean?

Ideally this week you'll be able to make use of Google Earth (it's FREE!) on a laptop, tablet, or smart phone. If not then you can use the world map you made a couple of weeks ago, which I have included here again just in case you need it.

Start by finding the Atlantic Ocean and just remind yourself where it is and what areas of land are on each side (it's off the west coast of Britain, Europe and Africa and stretches across to the East coast of both Americas.)

Now find the Pacific Ocean. I wonder which areas of land the Pacific Ocean connects to? Can you work it out? Remember, if you are using a flat 2D map that the Earth is 3D, it is a round sphere also known as a globe.

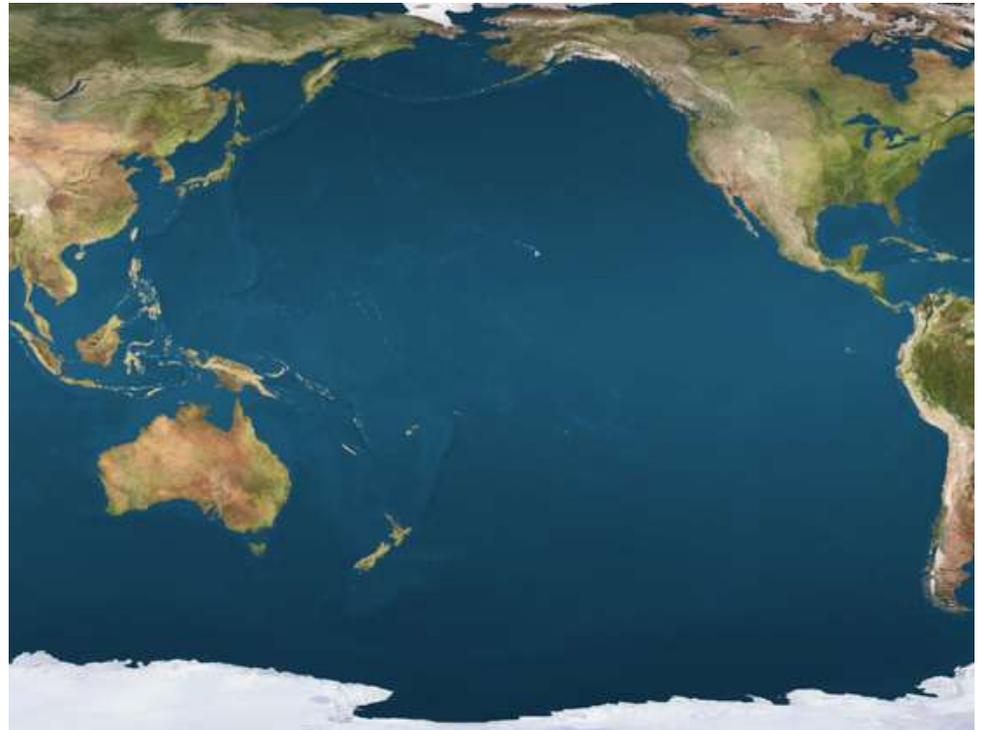


That's right the Pacific Ocean is off the West coast of the Americas and stretches all the way round the Earth to Australia.

Next watch this video clip all about the Pacific Ocean, write down your favourite of the 5 key facts next to this aerial photograph of the Pacific Ocean?

<https://www.youtube.com/watch?v=fmtivFaEXIk>

Favourite Fact!



Do you have anything you'd like to find out about the Pacific Ocean?

Share your questions with a grown up, decide on your key question together, then ask them to help you write it down with the correct punctuation.

My Key Question!

Next watch this video clip of sea life in the Pacific Ocean and let's have a think about how it differs to sea life in the Atlantic. We can think about types of creature and the colours you can see, how creatures are camouflaging.

https://www.youtube.com/watch?v=9kj_vwleR6Q

Now try and answer your key question independently by entering it into "search" on Google.

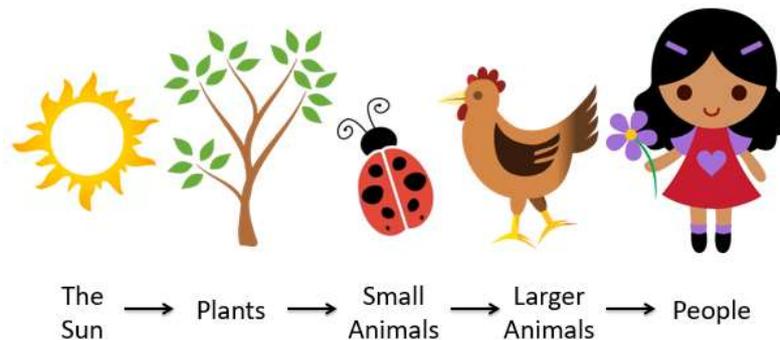
LF: We are learning to identify different types of Pacific sea life and explore where they are placed in the food chain.

What lives in the Pacific Ocean?

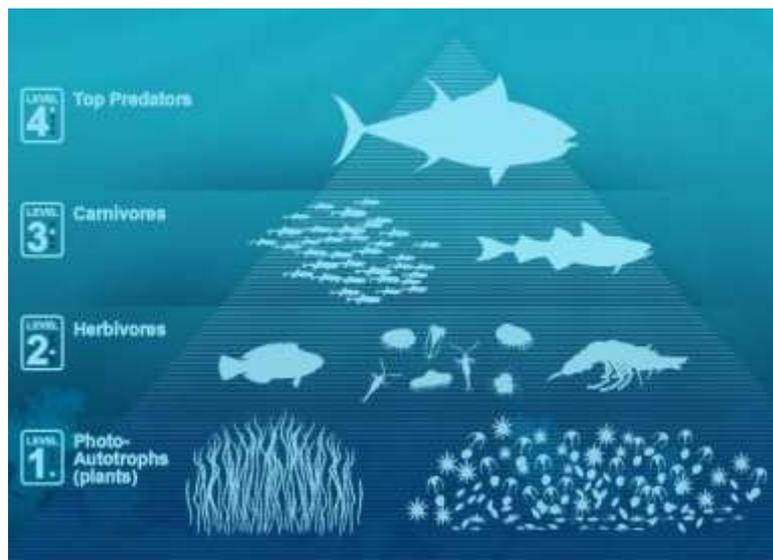
First have a think, what do you remember seeing in the videoclips in the last session? Take a moment to recap the facts you learnt about the Pacific Ocean and the types of sea life you saw.

Below is a picture of a simple food chain. Have a good look at it because today we will be piecing together a food chain for Pacific sea life.

Simple Food Chain

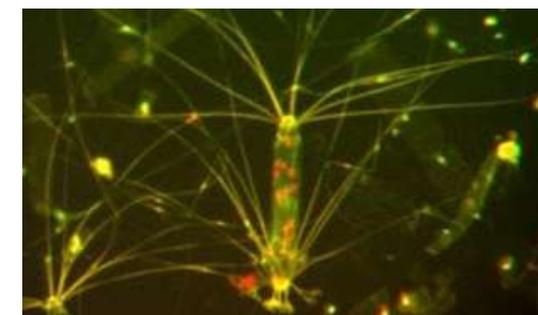


This picture shows a Pacific sea-life food chain in a pyramid.

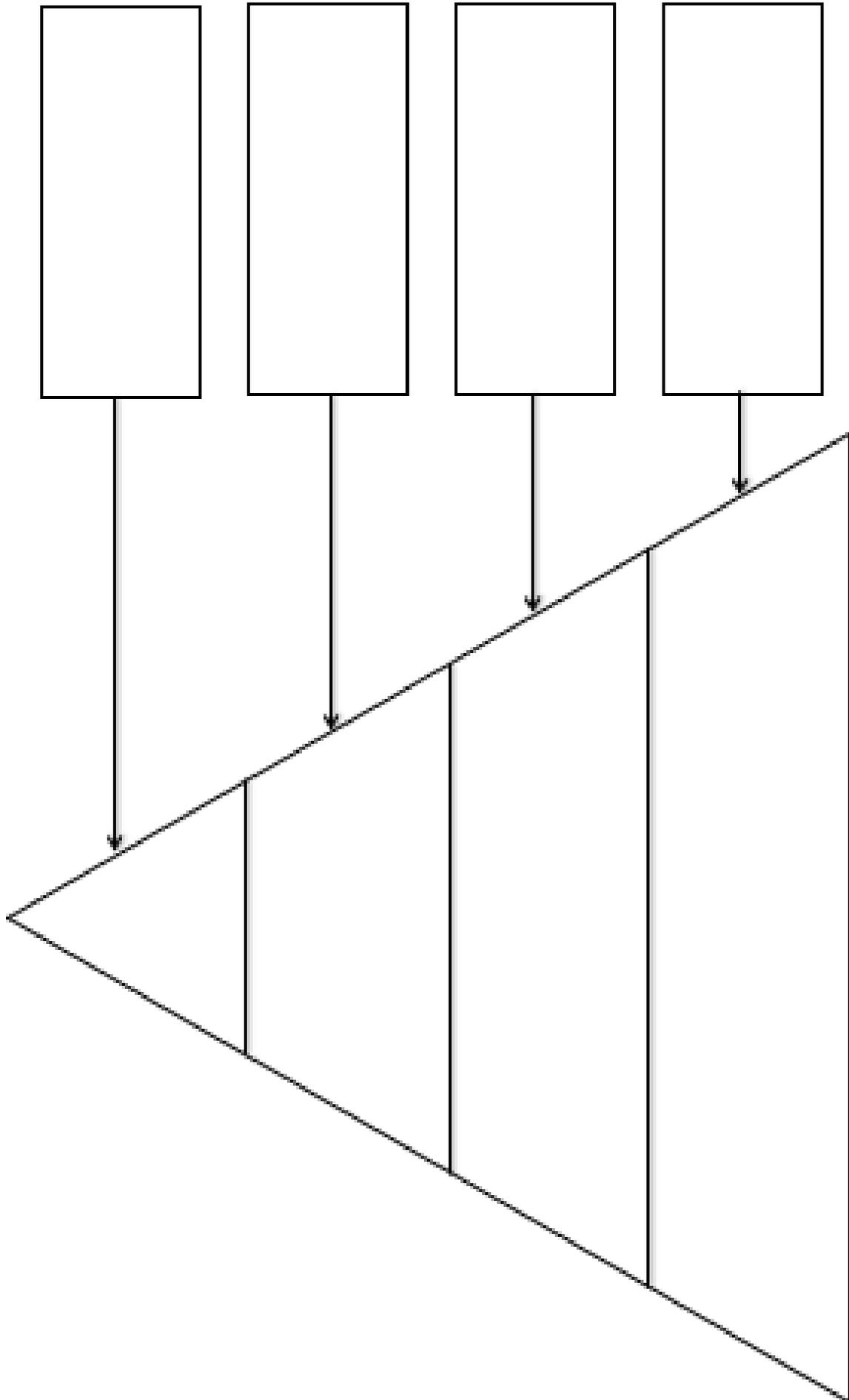


You can see here that the algae and seaweed are at the bottom because like other plants they use the sunshine to grow. Next we have herbivore sea-life which eat the seaweed, then carnivore sea life which eat the smaller fish and finally the bigger carnivores like sharks which eat larger sea life.

Cut out these images and stick them into the correct position in your own sea life pyramid.



Pacific Ocean Food Chain Template



LF: We are learning about the habitat of the Great Barrier Reef and the creatures that live there..

The Great Barrier Reef Safari

Watch this video clip all about the Great Barrier Reef.

<https://www.youtube.com/watch?v=EJXeMDVNsRk>

What do you think is the most amazing fact about the Great Barrier Reef?

Now have a look at the sea creatures pictured on the next page, all of them live on the Great Barrier Reef. It is their habitat. Today, you are going to do some independent research to find out as much as you can about one of these creatures.

The first job is to choose your favourite, and then start researching.

You can use lots of sources of information including search engines like google or youtube; or maybe you have sea life books at home, or someone you know that you could talk to.

These questions may help you to think about what you'd like to know:

- What is your creature called?
- Where does it live in The Great Barrier Reef?
- What does your creature eat?
- Does your creature fear any predators?
- How has your creature adapted to its environment?
- Why is your creature amazing?

Once you have answered these questions it's time to present your research. A great way to do this is to get someone in your family to interview you about your creature, then you can really show off what you know! Make sure you film it so I get to see too.

Alternatively, if you'd rather make a poster or have another idea then go for it.



Starfish



Clownfish



Sea Tortoise



Spinner

Dolphin



Humpback

Whale



Pufferfish



Manta Ray



Sea Slug



Sea horse



Octopus

Thursday 18 & Friday 19 June

LF: We are learning how to change colours to a different tone using watercolour before adding mixed media or 3D elements to our underwater scenes.

The Great Barrier Reef Comes to Life!

Follow the link and just take a look at this awesome seascape! Maybe you can find some more online if you need a little inspiration?



How do we make different shades of blue and green to create an ocean painting?

To begin take the largest piece of paper you can find, you'll need your paints, brushes and lots of water. We're exploring how to make darker and lighter blues by mixing the blue with either black or white. You can do the same to create shades of green. When you've explored for a moment and you're ready you can start painting your ocean background. Maybe start with a dark blue at the top and as you go down, make it lighter by using more white with the blue. You can blend the colours by using plenty of water to brush over where the colours change.

You'll need to leave this to dry for an hour. So while it does why not have a go at making coral with pipe cleaners or some fantastic fish using playdough, plasticine or even airdry clay. I've added some different craft ideas you might like to try but it depends what you have at home, so adapt the suggestions and do what you can. You can add anything you make to your ocean painting to create a seascape! Send me any pictures you take of your artwork because I can't wait to see 😊 😊 😊

CRAFT IDEAS TO FOLLOW INCLUDE

Pipe Cleaner Coral Reef

Fantastic Fish modelling

Fantastic Fish templates

Amazing Coral

What you will need:

- Pipe cleaners
- Scissors
- Acrylic or poster paint
- Brush
- Wire and pliers (optional)

What you need to do:

1. Cut the pipe cleaners into different sizes and fold them in two. Do as much as your coral size requires: 9 wire pieces will make the finished coral 18cm high and 10cm wide.



2. If necessary, paint the pipe cleaners in the right colour for your coral and leave them to dry.



3. To assemble your coral, take 2 or 3 pieces and wrap another pipe cleaner (or a piece of wire) around them to tie them together. Add 1 or 2 more pieces and wrap them again, and so on until all the pieces are fixed together.



4. To have the coral standing upright, just twist joining pipe cleaner out to make feet – but this will not be necessary for the classroom display.



Fantastic Fish

What you will need:

- Scissors
- Air-drying clay
- Rolling pin
- Plastic modelling tools
- Acrylic paints (optional)

What you need to do:

1. Select a one of the Fantastic Fish Templates and cut it out. Roll out some clay and lay the template on top.



2. Cut around the template.



3. Use modelling tools and extra clay to add details and texture to your clay sea creature and allow it to dry. If you like, paint it using acrylic paint. Try and decorate your creature to match one that lives in the Pacific Ocean!



