

Year 4 Weekly Homework – Week 8

Topic – Oceans and Seas

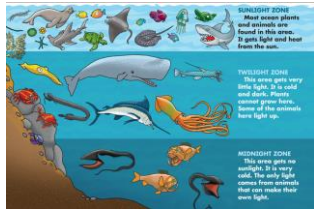
If you are not currently connected to Class Dojo and would like your connection details, please send an email to admin@simonside.newcastle.sch.uk and we will get you connected.

Challenge 1 (Geography/Science)

Can you name the different oceans of the world? Find out about the five different layers of the ocean (Sunlight zone, twilight zone, midnight zone, lower midnight zone or Abyss and the Trenches).

Sea creatures adapt incredibly to live in specific layers where the conditions, such as the temperature and light levels can change.

Explore the creatures that are found in each layer of the ocean and list them.



Challenge 2 (D&T)

Look at images of real submarines for inspiration and create your own model submarine from different materials found at home e.g. plastic bottles, paint, coloured pencils, string, papier mache, sweet wrappers, tin foil and cardboard.



Challenge 3 (PE)

Have a go at some Cosmic Kids 'Under the Sea' themed yoga workouts or even a Moana-themed adventure.

<https://safeyoutube.net/w/8tw6>

<https://safeyoutube.net/w/Otw6>



Challenge 4 (English) Lighthouse Comprehension

High above the village, at the edge of the cliff, sat the Briar's Rock lighthouse. Its bright light danced over the rooftops and out to sea; the darkness was no match for its strength. In the village, the narrow walkways and paths were bathed in the pale light of a milk moon and bare, sinuous trees awaited their springtime leaves. Amber lights shone from friendly windows and inside, noisy villagers danced and applauded. Houses of all sizes dotted the grassy cliff top, and beyond the cliffs and the pretty little village, the restless sea gurgled and churned. Light swept the village. The villagers cheered. Light swept the village. More applause. The lighthouse which didn't benefit from the same warm glow of the beam, or the same cheeriness of the village, stood stoically watching in the near darkness.

1. What is the name of the lighthouse?
2. Why do you think the moon is described as 'milky'?
3. Why is the word 'swept' used to describe how the light moves?
4. Which word is used to describe the sea?
5. How is the village described so that it seems cheery?
6. Why do you think the villagers cheered?

<https://www.literacyshed.com/the-lighthouse.html>

Challenge 5 (Geography)

The Great Barrier Reef is the only living thing which is visible from space! Take a virtual tour of the reef using Air Pano: <https://www.airpano.com/360photo/Great-Barrier-Reef-Australia/>

Find out what species are found in the reef.

What are the main threats to the Great Barrier Reef?



Challenge 6 (Maths)

Convert these analogue times into digital times. Watch this video to remind yourself on how to do it: <https://vimeo.com/188170218>

1. Half past 6 am
2. Quarter past 8 pm
3. 3 o'clock pm
4. Twelve minutes past 2 am
5. Quarter to 10 am
6. Half past 9 pm
7. 11 o'clock pm
8. Twenty to 2 am



Challenge 7 (History)

Christopher Columbus was an explorer who tried to sail to Asia, however he instead landed in the Bahamas. Find the answers to these questions:

1. When was Christopher Columbus born?
2. How did he learn to find his way at sea? What did he use to help him?
3. What did he call the new lands he found?
4. What vegetables did he introduce into Europe?
5. Who gave him money to buy ships?
6. What did the sailors eat whilst on board the ship?
7. What happened to one of his ships on his first trip?



Challenge 8 (Geography)

Plastic pollution is one of the greatest problems oceans and seas are facing. Research how ocean plastics can harm marine life. What can happen to animals? What are micro plastics and how are they harmful to marine life?

We all share a responsibility to look after our oceans. Research some tips on things we can do to reduce our plastic 'footprint' e.g. use a reusable bottle for drinks, reuse bags when shopping, choose straws made from paper over plastic.

Present your top tips on how to protect the oceans in a poster!



Challenge 9 (Maths)

Convert these minutes into seconds. Remember there are 60 seconds in one minute. Use related facts to help you. **For example: How many seconds are in 2 minutes? $2 \times 6 = 12$ so $2 \times 60 = 120$. 120 seconds are in 2 minutes.**

1. How many seconds are in 3 minutes?
2. How many seconds are in 5 minutes?
3. How many seconds are in 2 minutes 30 seconds?
4. How many seconds are in 4 minutes 15 seconds?

Convert these seconds into minutes and seconds. **For example. 80 seconds. 1 minute = 60 seconds. So, $80 - 60 = 20$. 80 seconds is 1 minute 20 seconds.**

1. 280 seconds
2. 395 seconds
3. 335 seconds
4. 225 seconds

Remember:

- Weekly spellings are also posted on the school website.
- Keep practising your times tables using Times Table Rockstars.
- Find a book you enjoy reading on Bug Club or at home. Can you read a paragraph out loud with expression to your grown up?