

## Learning Project WEEK 4 – Water

### Year 4

Weekly Maths Tasks	Weekly Reading Tasks
<ul style="list-style-type: none"><li>• Can you <b>create a timetable</b> of what you did or what you will do each day this week? Can you write the time in 12-hour and 24-hour format?</li><li>• Have a go at the <b>arithmetic paper</b> on the website. You don't have to do it as a test but work through the questions together.</li><li>• Have a go at the <b>Fifteen cards</b> problem below.</li></ul>	<ul style="list-style-type: none"><li>• <b>Reading comprehension</b> – Layers of the Ocean</li><li>• <b>Research an ocean creature of your choice</b> – have a look on Epic books for some ideas.</li><li>• Can you <b>make an under the sea themed bookmark</b>? Can you include some of the new vocabulary you may have learned this week?</li><li>• Remember to log in to <b>Accelerated Reader</b> after you complete a schoolbook to take your quiz!</li></ul>
Online Maths Tasks	Daily Reading
<p><b>Mathletics</b> – Continue to have a go at the tasks set on here. This week will be focusing on <b>Decimals</b> (3x a week)</p> <p><b>TT Rockstars</b> – Make sure to have a go on Soundcheck at least once a day and help us in our weekly battle! (3x a week)</p>	<p>Make sure to read for <b>20 mins a day</b>. Ask your child about what has happened, what their favourite part is, and what they think might happen next.</p> <p>Remember you can now use <b>Epic Books</b> to access to even more books!</p>
Weekly Spelling Tasks	Weekly Writing Tasks
<ul style="list-style-type: none"><li>• Practise your individual spelling lists on <b>Spelling Shed</b> (3x a week)</li><li>• Put these words in alphabetical order and use a dictionary to find the meanings of each word: <b>marine, barnacle, crustacean, coral, mangrove &amp; barracuda</b>. Can you identify any spelling rules?</li><li>• List each letter of the alphabet and think of a <b>sea-related word</b> to go with each letter.</li></ul>	<ul style="list-style-type: none"><li>• <b>Write a report</b> about one of the world's oceans. This could include a map locating the ocean, what plants and animals live there, and the impact humans have on it.</li><li>• Imagine you are a deep-sea diver. Can you <b>write a detailed description of the ocean</b> and include some specific species? Use amazing adjectives and adverbs to describe in detail what you saw. Take a look at this diving video. <a href="https://safeyoutube.net/w/B2w6">https://safeyoutube.net/w/B2w6</a></li><li>• <b>Write an advert</b> advertising a job to work on a submarine. How can you make the advert persuasive so that lots of people apply?</li></ul>

## Learning Project - to be done throughout the week

The project this week aims to provide opportunities for your child to learn more about water and life in and around the sea.

- **Science**

**Water Magnifier** – See instruction below  
OR

**Floating and sinking grapes** - Fill one glass/bottle with still water, one with sparkling water. Drop a few grapes into each glass. What happened? Why?



- **DT**

Look at pictures of real submarines for inspiration and create your own **model submarine** from different materials found at home. When you collect your materials, talk about the suitability of each material.

OR

**Create a boat** to carry a load on the ocean using junk modelling.



- **History**

Can you find out about the Titanic or any other shipwreck? **Create a report** and find out about the date the ship sank, what happened, where it is shipwrecked, where it was travelling to and from and what is happening now to the wreckage.



- **Geography**

Can you remember the names of the oceans of the world? **Find out about the different layers of the ocean** (Sunlight zone, Twilight zone, Midnight zone, Lower midnight zone or Abyss and the Trenches) Sea creatures adapt incredibly well to live in specific layers. Can you explore the creatures that are found in each layer, with a diagram.



- **Time to Talk:**

Ask different family members what they know about plastic waste (plastic bags, six pack rings and microbeads) that often ends up in the ocean. Discuss how you could reduce ocean pollution and work to make a persuasive poster/letter to reduce plastic waste.



## Additional learning resources parents may wish to engage with

**Classroom Secrets Learning Packs** - These packs are split into different year groups and include activities linked to reading, writing, maths and practical ideas you can do around the home.

<https://classroomsecrets.co.uk/home-online-learning/>

**Twinkl** - to access these resources click on the link and sign up using your own email address and creating your own password. Use the offer code UKTWINKLHELPS.

**Top Marks** – Some great Maths games for all ages, that you can play online.

<https://www.topmarks.co.uk/>

**Audible** – All children's books are free to listen to during school closure.

<https://stories.audible.com/start-listen>

**BBC Daily Lessons** – The BBC have created a series of daily lessons in all subjects that you can use to learn more. <https://www.bbc.co.uk/bitesize/dailylessons>

**The Great Barrier Reef** is the only living thing which is visible from space! Encourage your child to take a virtual tour of the reef using <https://www.airpano.com/360photo/Great-Barrier-Reef-Australia/>

**ICT Games – Literacy and Maths** – [www.ictgames.co.uk](http://www.ictgames.co.uk)

**Teach Handwriting** – This is our handwriting scheme we use at school that you may want to do to practise <https://www.teachhandwriting.co.uk/how-to-teach-handwriting.html>

# Fifteen Cards

Age 7 to 11 ★

I have fifteen cards numbered 1 – 15.

I put down seven of them on the table in a row.



The numbers on the first two cards add to 15.

The numbers on the second and third cards add to 20.

The numbers on the third and fourth cards add to 23.

The numbers on the fourth and fifth cards add to 16.

The numbers on the fifth and sixth cards add to 18.

The numbers on the sixth and seventh cards add to 21.

What are my cards?

Can you find any other solutions?

How do you know you've found *all* the different solutions?

## Activity 11: Water |

### Magnifier

You will need: Cling film, a washer, newspaper, water, pipette/dropper.

### What you do

Cover your newspaper with cling film and place the washer over the top of a word. Use the pipette or dropper to put a couple of drops of water into the centre of the washer and look at the letters through the washer. How do they look?

### What's happening?

The water in the centre of the washer acts like a lens. The water drop's rounded shape bends the light outwards making the letters appear larger or magnified.