| Week 5: Learning Project - UNDER THE SEA | |
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| **Age Range: LKS2** | |
| **Weekly Reading Tasks** | **Weekly Spelling Tasks** |
| **Monday-** Listen to your child read and encourage them to read with expression. Can they create a book review or write a summary of what they have read? | **Monday-** Encourage your child to learn to spell the names of all of the world's oceans. Can they apply these into sentences? |
| **Tuesday-** Try researching and reading online together about an ocean creature of your choice - here are some interesting facts about turtles to get you started! | **Tuesday- Alphabetical order:** List each letter of the alphabet and ask your child to think of a **sea** related word that corresponds with each letter. |
| **Wednesday-** Ask your child to listen to and read along with two of the poems in the Under the Sea collection here. Compare the different uses of language in each one. | **Wednesday-** Practise spelling these words: **forgetting, forgotten, beginning, beginner, prefer, preferred, gardening, gardener, limiting, limited, limitation**. Can your child identify the spelling rule/s? |
| **Thursday-** Can your child make an under the sea themed bookmark or reading area? They could include some of the new vocabulary they have developed over the week. | **Thursday-** Ask your child to put these words in alphabetical order and then use a dictionary to find the meanings of each word: **marine, barnacle, crustacean, coral, mangrove** & **barracuda.** |
| **Friday-** Ask your child to read this extract from Ocean Emporium. They can use a dictionary to clarify any unfamiliar vocabulary. | **Friday-** Practise the Year 3/4 Common Exception words or spelling rules for Year Year 3/4 . Can your child include some of these words in their writing tasks? |
| **Weekly Writing Tasks** | **Weekly Maths Tasks- Time** |
| **Monday-** Visit the Literacy Shed for this wonderful resource on The Lighthouse. Or ask your child to write their own under the sea rhyming poem. | **Monday-** Ask your child to make a timetable of what you did or what you will do each day this week. Can your child write the times in 12 hour and 24 hour format? |

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| **Tuesday- Task your child with creating an information report 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.** | **Tuesday-** Ask your child to time how long it takes in seconds to do everyday tasks such as brush their teeth. Then ask them to multiply that number by the amount of times they do that task per day. How long is that in minutes? How many minutes is that over a week? |
| **Wednesday-** Ask your child to imagine they are a deep sea diver. Can they write a detailed description about the ocean and include specific species? Remind them to try to include adjectives to describe in detail what they saw. Visit here. | **Wednesday-** Try drawing a clock on the ground with chalk. Then, get your child to use their body to make the hands of the clock. They could show just the hour or the minute by lying straight, or they could use their body to make both hands. |
| **Thursday-** Encourage your child to write a 'Finding Tale using Finding Nemo as a stimulus. Who gets lost in their story? How do they find them? For more of a | **Thursday (theme)-** Your child can create a large grid on the floor to represent a map of the ocean, with various hazards included. Then, ask your child to make a |
| challenge, they could write an adventure story based on Treasure Island. | paper boat and use directional language (half turn, quarter turn,clockwise, anticlockwise etc) to navigate their ship safely across the oceans. |
| **Friday-** Ask your child to write an advert advertising a job to work on a submarine. How can they make the advert persuasive so that lots of people apply? | **Friday-** Practise counting forwards and backwards from **any** given number in **2s**. This can be done throughout the day. |

**Learning Project - to be done throughout the week**

**The project this week aims to provide opportunities for your child to learn more about life in and around the sea. Learning may focus on the strange and wonderful creatures and plants that occupy our oceans, their habitats and how human beings affect this environment.**

- **Exploring the Blue Abyss** - Can your child remember the oceans of the world? Encourage your child to 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. Can your child explore the creatures that are found in each layer of the ocean and create a fact file for each ocean layer with a labelled diagram?

- **Submarine Sculptures** - Ask your child to look at pictures of real submarines for inspiration and create their own model submarine from different materials found at home e.g. plastic bottles, paint, coloured pencils, string, paper mache, sweet wrappers, tin foil and cardboard. When your child is collecting materials, question them on the suitability of each material. Alternatively, children could design and create a boat to carry a load on the ocean using junk modelling. Remember to tweet a photo of their creation at **#TheLearningProjects.**

- **'Under the Sea' Stretches** - Ask your child to try some yoga using the Cosmic Kids Youtube channel. There are lots of 'Under the Sea' themed yoga workouts and even a Moana-themed adventure! Or simply get stretching to some relaxing deep sea sound effects. ***Recommendation at least 2 hours of exercise a week.***

- **Preventing Pollution** - **Encourage your child to ask different family members what they know about plastic waste (e.g. plastic bags, six-pack rings and microbeads) that ends up in the ocean. They could do this by creating a questionnaire and carrying out interviews (perhaps over Facetime with adult supervision?). Discuss how you could help reduce ocean pollution and work together to create a persuasive poster to reduce plastic waste**.

- **Reef Research** - 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 AirPano and create a poster or video to promote the Great Barrier Reef. Ask them to use scientific language relating to the habitats and species groups found in the reef. Can your child identify the main threats to The Great Barrier Reef and include these too?

## STEM Learning Opportunities #sciencefromhome

**Autosub 6000 Ocean Floor Mission**

- Children will need a basic understanding of Scratch before carrying out this Unit. Guides and online tutorials are available her e if needed.
- Use scratch to debug and improve the Autosub6000 around the ocean floor. Activity notes and instructions can be found her e.

## Additional learning resources parents may wish to engage with

- **BBC Bitesize -** Lots of videos and learning opportunities for all subjects.

- **Classroom Secrets Learning Packs** - Reading, writing and maths activities for different ages.
- **Twinkl** - Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.
- **White Rose Maths** online maths lessons. Watch a lesson video and complete the worksheet (can be downloaded and completed digitally).
- **Times Table Rockstars** and **Numbots**. Your child can access both of these programmes with their school logins. On Times Table Rockstars, children should aim to play Soundcheck for 20 minutes daily.
- IXL online. Click here for **Year 3** or here for **Year 4**. There are interactive games to play and guides for parents.
- **Mastery Mathematics Learning Packs.** Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.
- **Y3 Talk for Writing Home-school Booklets** and **Y 4** are an excellent resource to support your child's speaking and listening, reading and writing skills.

The Learning Projects are based on the **National Curriculum expectations** for the key stage which your child is in. It may be that your child finds the tasks set within the Learning Project for their year group too simple. If this is the case, then we suggest that your child accesses the Learning Projects which are set for the key stage above. Equally, if the projects are too challenging, then we advise that your child accesses the projects for the key stage below.

If your child requires more of a challenge, or you believe that there are some gaps in their learning then Century Tech is a fantastic resource that is currently free for home learning. The app is designed to address gaps and misconceptions, provide challenge and enables children to retain new knowledge. It uses artificial intelligence to tailor the learning to your child's needs. Sign up here.

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STEM LEARNING