

## Learning Project - Under the Sea

**Age Range: Y5**

Weekly Reading Tasks	Weekly Spelling Tasks
Encourage your child to read for enjoyment whilst listening to <a href="#">these sea noises</a> . There are more choices on <a href="#">Google Books</a> or <a href="#">Oxford Owl</a> ).	Your child can create a vocabulary bank about life under the sea which includes verbs, adverbs, expanded noun phrases and relative clauses.
Ask your child to create a true or false quiz based on the book they read yesterday. Can they test it out (remotely) on a friend?	Some words end with a ' <a href="#">shus</a> ' sound. How many more words can your child think of which end with <b>-tious</b> or <b>-cious</b> ? Write the definitions.
Ask your child to listen to and read along with <a href="#">The Mermaid's Lament</a> . Find the glossary in the 'Teach' section and see if your child can identify some of the terms used in the poem, for example rhyme and personification.	Pick 5 Common Exception words from the <a href="#">Year 5/6 spelling list</a> . Challenge your child to pick one spelling at a time and write it as many times as they can in one minute. Can they beat their score?
Click on this <a href="#">Oxford Owl link</a> for a reading comprehension activity about sea adventures. Challenge your child to read the text in and complete the comprehension questions.	Task your child with creating a glossary for these sea-related words: <b>estuary, algae, plankton, tsunami</b> and <b>urchin</b> . Can they draw illustrations to represent each of these words too?
Attached at the end is a visual comprehension. The children are familiar with these and they are used to enhance inference skills. Please remind them that there are no right or wrong answers but the aim is to justify their thinking and try to convince the reader. This can be completed as a discussion.	Get your child to proofread their writing from the day/week. Encourage them to use a <a href="#">dictionary</a> to check the spelling of any words that they found challenging. Can they improve any of their word choices?
Weekly Writing Tasks	Weekly Maths Tasks- Converting Time and Timetables
Visit the Literacy Shed for this wonderful resource on <a href="#">The Lighthouse</a> . Complete activities based on the clip or your child can create a diary entry based on a day in the life of a deep sea diver.	Write down the names and ages of each member in your household in years. Get your child to convert the ages into months, days, hours etc. Challenge- can your child write down each members date of birth in Roman Numerals?
Can they compose their own poem of what a person wishes they could do if they were a sea creature? Why not perform it to the family? Remind your child to be confident and challenge them to include some actions.	Ask your child to choose their 5 favourite DVDs, look at the back and check the length of time that the movie/show runs for. Record this for each one and add up the totals and show them in both minutes and then again in hours and minutes.
Ask your child to choose <a href="#">one sea creature of interest</a> . They can write a description about it in detail. Think about: its appearance, movement and actions. Remind them to include ambitious vocabulary and complex sentences.	Get your child to make a timetable of their typical day at school. How many hours do they spend on each subject? Can they convert this into minutes spent on each subject? Can they convert this into seconds?
Can your child research the life of David Attenborough. Recently he celebrated his 94 <sup>th</sup> birthday. Watch the following clip on YouTube: '94 years in 94 seconds' <a href="https://www.youtube.com/watch?v=OyEj8LPAtn8&amp;safe=active">https://www.youtube.com/watch?v=OyEj8LPAtn8&amp;safe=active</a> and ask your child to write down 10 reasons why he is an inspirational person.	Get your child to create a poster about units of length for time. Include information such as how many days/weeks in a year, fortnight, leap year, hours in a day etc.

Write an under the sea adventure story. Your child should include: dialogue, ambitious vocabulary and a range of openers and conjunctions.

Ask your child to look at [this image](#). Can they create a bar chart showing the different living things found in the ocean?

### 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.

- **Working Together to Save Our Oceans** -The [BBC programme Blue Planet 2](#) sparked an outcry about the health of our oceans and the huge threat caused by plastics, but lots of people around the world are working hard to help solve this problem. Direct your child to [read about Madison Edwards](#), a 12 year old environmental activist. Encourage them to do their bit to help preserve our oceans by asking them to keep a '[plastic diary](#)' recording how much single-use plastic the family uses. Ask them to [write down one thing](#) that the family will do to use less plastic.
- **Speeding Through The Seas**- Sailfish are the [fastest fish in the ocean](#). Challenge your child to be just as speedy and complete the following 5 activities as fast as possible: Star jumps, tuck jumps, press-ups, squats and lunges. Ask them to record how many repetitions of each activity they can perform in 1 minute. Can they beat their personal best? Challenge them to record their heart rate (beats per minute) after each activity.
- **Pirates: Daring Figures of History or Brutal Sea-Thieves?**- Many books have been written and movies made about pirates. But who were the real pirates of the past? Direct your child to explore [these facts](#) about real pirates from history. They could create a fact file or information report about what they have learned, including key dates and figures. Alternatively, they could create a 'wanted' poster for a pirate, including facts about his/her deeds and adventures.
- **Bioluminescence: Lighting up Our Oceans** - Many sea creatures possess a fascinating light-producing ability called [bioluminescence](#). Some fish dangle a lighted lure in front of their mouths to attract prey, while some squid shoot out bioluminescent liquid, instead of ink, to confuse their predators. Direct your child to [find out about bioluminescence](#) and how [some sea creatures rely on this](#) for their survival. They could then choose a sea creature which uses bioluminescence (like the anglerfish) and create a poster fact sheet about it, including what bioluminescence is and how their chosen sea creature uses it.
- **Artwork to Light up Your Life**- Following on from what your child learned about bioluminescence, direct them to create a bioluminescent sea creature inspired piece of artwork. Based on the resources you have available at home, they could choose to express this as a drawing or as a model. Encourage them to use bright colours and to be as realistic as possible.



### STEM Learning Opportunities

#### Autosub 6000 Ocean Floor Mission

- Learners will need a basic understanding of Scratch before carrying out this Unit. Guides and online tutorials are available [here](#) if needed.
- Use scratch to debug and improve the Autosub6000 around the ocean floor. Activity notes and instructions can be found [here](#).

### 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.
- IXL online. Click here for [Year 5](#). 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.
- [Y5 Talk for Writing Home-school Booklets](#) are an excellent resource to support your child's speaking and listening, reading and writing skills.

## #TheLearningProjects



Continuing with developing our inference skills, look at the image and answer the following questions in as much detail as you can.

1. Write a short paragraph describing what is happening in this image. In your paragraph, please include the following: A fronted adverbial, a simile, a complex sentence with a relative clause, personification and powerful adjectives.
2. How do you think water could have got to the top of the building? How has this happened?
3. What sea creature is this? How do you know? What is unusual about this particular sea-creature?
4. Why do you think the boat is speeding away?
5. How do you think the two people in the image are feeling? Discuss the range of emotions that they could be feeling.
6. How would you feel if you were one of the people in the boat?
7. How would you describe the setting? Is it a place that you would like to live in? Explain why or why not?

