Week 4 – Year 5/6: Learning Project - Animals & Under the Sea

Weekly Reading Tasks	Weekly SPaG Tasks
Monday- Explore the Highwayman Poem. Can you learn it off by heart by the end of the week? Can you draw a comic strip/storyboard of The Highway Man using 8/10 boxes to summarise the plot?	**Monday-** Your child may wish to create a word bank about an animal of their choice which includes verbs, adverbs and expanded noun phrases. They can use this for their poetry writing.
Tuesday- Read the next chapter of your book. Can you re-write the chapter from the view of a different character?	**Tuesday-** Practise your spellings for this week. You can use a sheet of paper and write them out (building them up like a pyramid helps some people) or go on to Spelling Frame
Wednesday- Download 'A Pinch of Magic' from authorfy. Can you complete the questions on page 4?	**Wednesday-** Proofread your writing from the day. You can use a dictionary to check the spelling of any words that you found challenging. This will also help you to check that the meaning of the word is right for the sentence.
Thursday- Go to Bug Club/Oxford Owl and read a book that matches your age band. Review the text and justify your opinion with examples from the text.	**Thursday-** Complete your SPaG tasks for the week, for your year group from the school website.
Friday- Complete the reading comprehension for your year group from the school website.	**Friday-** Ask an adult to help you with your spelling test. Then choose 5 words from your list and write a synonym, antonym, the meaning and an example of how to use the word in a sentence.
Weekly Writing Tasks	**Weekly Maths Tasks**
Monday-. Choose an animal and think about how it moves, what sounds it makes and the environment that it lives in. Can you write a poem based around these ideas? Perhaps you can repeat this activity for different animals!	**Monday-** Show everything you know about decimal numbers and percentages on a piece of paper (you might need 2!). This could be pictures, diagrams, explanations, methods etc. Be as creative as you want!
Tuesday- Write a formal letter to Yorkshire Wildlife Park showing them the benefits and disadvantages of the park being open. Try to justify your opinions with factual information.	**Tuesday-** compare decimal numbers on this game. If you have any spare time play on Prodigy Maths or look at lessons for your year group on BBC Bitesize or White Rose Maths.
Wednesday- *Animal's hearts should be cut up for science experiments.* Do you agree/disagree? Write a discussion about this statement.	**Wednesday-** Arithmetic practise on Maths Frame. If you have spare time play on Prodigy or look at lessons for your year on BBC Bitesize or White Rose Maths.
Thursday- Write a diary entry/newspaper report summarising the events from the day/week.	**Thursday-** Work on your reasoning and problem solving by practising past SATs questions, try to focus on decimals and percentages.
Friday- You should now have an in-depth story plan. Begin to write your story considering the devices (metaphors/similes/onomatopoeia) needed for the genre. How will the dialogue and speech show characters and advance the action?	**Friday –** Complete the maths sheets for your year group from the school website.

Learning Project - to be done throughout the week

The project this week aims to provide opportunities for you 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, read about Madison Edwards, a 12 year old environmental activist. Keep a 'plastic diary' recording how much single-use plastic your family uses. Then can you write down one thing that your family could do to use less plastic?

- **Speeding Through The Seas-** Sailfish are the fastest fish in the ocean. Can you be just as speedy and complete the following 5 activities as fast as possible: Star jumps, tuck jumps, press-ups, squats and lunges. Record how many repetitions of each activity you can perform in 1 minute. Can you beat their personal best or improve your performance by the end of the week? Perhaps record your 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? Explore these facts about real pirates from history. Can you create a fact file or information report about what you have learned, including key dates and figures? Alternatively, you 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. Can you find out about bioluminescence and how some sea creatures rely on this for their survival? 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 your chosen sea creature uses it.

- **Artwork to Light up Your Life-** Following on from what you have learned about bioluminescence, create a bioluminescent sea creature inspired piece of artwork. Based on the resources you have available at home, you could choose to express this as a **drawing** or as a **mode**l. Use bright colours and to be as realistic as possible! Remember to tweet a photo of your finished piece using **#TheCalderLearningProjects**.

STEM Learning Opportunities #sciencefromhome

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).
- IXL online. Click here for **Year 5** or here for **Year 6**. There are interactive games to play and guides for parents.
- **Rob Biddulph** – Easy to follow drawing tutorials! New videos are posted every Tuesday and Thursday at 10am. Share results with school or Rob using #DrawWithRob on Twitter.

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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