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| Learning Project Week 9: Under The Sea | | |
| Class: Churchill Y3/4  Please complete at least 3 of the tasks below during the week:  We love to see what you are doing on our private Facebook Page or Twitter Feed: [www.facebook.com/groups/heatherprimaryschoolcolaville](http://www.facebook.com/groups/heatherprimaryschoolcolaville)  [@HeatherPrimary](https://twitter.com/HeatherPrimary?lang=en) | | |
| Maths Tasks | English Tasks | |
| **Daily**  Participate in daily Maths lesson from government home learning website: https://www.thenational.academy/  MyMaths – try to complete one task everyday  **Weekly**  Participate in Gareth Metcalfe’s Live Lesson once a week  Choose three 10 minute sessions (please use a range throughout the week) on either:   * Times Tables Rock Stars (Y4 please use Sound Check). * Hit the Button (don’t forget doubles, halves and number bonds too)   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?  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?  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.  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.  Try to play a Maths-related game with your family for example:   * Uno * Monopoly (be the banker) * Lots of free Maths games on <http://www.iseemaths.com/>   If there is an area of Maths that you are struggling with try checking out https://mathantics.com/ – this website has lots of free Maths tutorials and you can select them by topic. | | **Daily**  Participate in daily English lesson from the government learning website: https://www.the national.academy/  Read for 20 minutes every day  Practise the spellings from your English lesson (above) daily throughout the week. These could be practised in the mud, sand, shaving foam etc  **Weekly**  If possible, try to be heard read aloud by an adult 3 times per week – this could be done as echo reading. Try to use expression.  Look up any new words from your reading book in a dictionary or use <https://www.dictionary.com/> to look up the meaning. Try to write 3 different sentences using this new word.  Join read theory <https://readtheory.org/> and try to do at least a 20 minute session per week.  Watch [Newsround](https://www.bbc.co.uk/newsround/news/watch_newsround) and discuss what is happening in the wider world  Get your child to read a book on [Oxford Owl](https://www.oxfordowl.co.uk/), discuss what your child enjoyed about the book.  Try researching and reading online together about an ocean creature of your choice - here are some interesting facts about [turtles](https://www.natgeokids.com/uk/discover/animals/sea-life/turtle-facts/) to get you started!  Ask your child to listen to and read along with two of the poems in the Under the Sea collection [here](https://childrens.poetryarchive.org/collections/under-the-sea/). Compare the different uses of language in each one.  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.  Ask your child to read this extract from [Ocean Emporium.](https://www.lovereading4kids.co.uk/extract/15536/Ocean-Emporium-by-Susie-Brooks.html) They can use a [dictionary](https://www.oxfordlearnersdictionaries.com/) to clarify any unfamiliar vocabulary.  Ask your child to put these words in alphabetical order and then use a [dictionary](https://www.oxfordlearnersdictionaries.com/) to find the meanings of each word: marine, barnacle, crustacean, coral, mangrove & barracuda |

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| Learning Project – ongoing throughout the week.  Choose from the selection below. |
| **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.**  **Get writing**  Visit the Literacy Shed for this wonderful resource on [The Lighthouse.](https://www.literacyshedplus.com/en-gb/resource/the-lighthouse-ks2-activity-pack) Or ask your child to write their own under the sea rhyming poem.  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.](https://safeyoutube.net/w/B2w6)  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.  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?  Your child could 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.  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?  **Science**  **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?  **STEM activities - #scienceathome**  ***Autosub 6000 Ocean Floor Mission***  ● Children will need a basic understanding of Scratch before carrying out this Unit. Guides and online tutorials are available [here](https://scratch.mit.edu/ideas) if needed.  ● Use scratch to debug and improve the Autosub6000 around the ocean floor. Activity notes and instructions can be found [here.](https://www.stem.org.uk/resources/elibrary/resource/411623/autosub-6000-ocean-floor-mission)  **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.  **Geography- Get exploring!**  **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?  **Let’s Create:**  **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, papier 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.    **Be Active:**  **‘Under the Sea’ Stretches -**  Ask your child to try some yoga using the [Cosmic Kids](https://safeyoutube.net/w/8tw6) Youtube channel. There are lots of ‘Under the Sea’ themed yoga workouts and even a [Moana-themed](https://safeyoutube.net/w/Otw6) adventure! Or simply get stretching to some relaxing [deep sea sound](https://safeyoutube.net/w/Vtw6) effects.  **Music**  Learn the song [‘Yellow Submarine](https://www.youtube.com/watch?v=m2uTFF_3MaA)’ - The Beatles. |