Y4 Project 5 Learning Journey: Blue Abyss

Grab your wetsuit! We're going deep into an underwater world of incredible coral and mysterious sea creatures. Head to your local aquarium and learn about life in the ocean. Can you pick a favourite fish, plant or animal? What do real divers get up to below the surface? Create a fishy story about exploring an amazing underwater world. Time to go a little deeper into our seas. Make a model deep sea submarine that can withstand great pressure and travel to the deepest, darkest places on Earth. Make sure you test it first. What are those bright lights in the distance? It's a group of bioluminescent sea creatures. Look closely and create a colourful, 3-D art exhibition when you rise to the surface. Flippers on? Snorkel ready? Let's head into the Blue Abyss.

Subject coverage

English	**Maths**	**Science**
In English lessons: Persuasion – one sided argument (Save the Oceans) In project lessons: Journey story - Lost in the Ocean (inspiration from Blue Planet) Class read: Why The Whales Came	Times tables recall *The statutory MTC will be delivered from 7th June to approx.17th June* 2D and 3D shape Measures	Living things and their habitats. *BIG Q: How could a creature survive in the deep ocean?* LTIs: Are all sea creatures the same? How does pollution affect habitats?
History	**Geography**	**Art**
The 1872 Royal Navy ship, HMS Challenger: why it is considered to be so important and how its story has contributed to modern oceanography	The location of the Tropics Locate the Great Barrier Reef using maps and satellite images Identify environmental issues linked to the oceans	Observational drawing: Mono print of a sea creature Focused artist: Edward Selkirk
Computing	**PSHE**	**PE**
iData Be Internet Legends	Changing me: How are boys' and girls' bodies different? Value: Courage	REAL PE unit 6 Cricket
French	**RE**	**Music**
En Classe	What does it mean to be Sikh?	Learn to play of the Glockenspiel

Please see the knowledge organiser sent with this document to find out what skills, knowledge and understanding your child is expected to have by the end of next term in science and their curriculum project.

Suggested reads

Why not look on MyON with your child to see what books are available about oceans?

Here are some recommended reads on MyON:

- Oceans
- Thrash Vortex
- Endangered Oceans
- Oceans: Underwater Worlds
- Kings of the Oceans
- All About Oceans
- Lakes in the Oceans & Other Cool Underwater Facts
- Boyan Slat: Pioneering the Ocean Cleanup
- An Ocean of Animals
- Water Sources
- The Ocean Story
- Read All About the Ocean
- Crack the Pirate Code
- What Eats What in an Ocean Food Chain?
- Who Grows Up in the Ocean?
- What If There Were No Sea Otters?

Optional **home learning challenges**

If after completing their reading, spelling practice and TT Rockstars games, your child would like to complete additional home learning challenges, here are some ideas of projects they could attempt and bring in to share with their class teacher for *bonus merits*:

- Use online sources or information books to find out about the world's five oceans. Record your findings in a table and include information about each ocean's size, temperature, characteristics and animal life.
- Use your research skills to find out about the different ocean zones (sunlight zone, twilight zone and midnight zone) and the marine animals that live in them. Divide an A4 piece of paper into three rows, one for each zone. Draw marine animals in the zones in which they live. Compare the animals that live in the different zones. What similarities or differences are there between them? Record some of your comparisons.
- Find out about unusual marine animals, such as the deep-sea angler fish, the gulper eel or the Greenland shark. Draw sketches of the animals that interest you and write a short paragraph to explain the adaptations that help them survive in a particular ocean or ocean zone.
- Look at marine artwork by artists, such as Amber Marine, Jenny Berry and Michael Hoffman. Choose an artist whose work you like and use their style as inspiration for creating a marine-inspired artwork. Consider elements of shape, line, pattern and colour when creating your piece.

Useful websites

DKfindout! – Oceans of the World

- BBC Bitesize – What is a food chain?
- BBC Teach – Food chains and food webs in animals – Science KS2/KS3
- BBC Four – Nature's Microworlds, The Deep Sea, Twilight zone
- BBC One – Blue Planet II, Series 1, The Deep
- National Geographic – Ocean Wildlife
- WWF Australia – The Great Barrier Reef

Useful information

- Please remember that Y4 are visiting the Sea Life Centre in Birmingham on Wednesday 8th June. They require a packed lunch, snack and drinks in a rucksack. No spending money is needed. We will arrive back at approximately 5pm.

- All Y4 pupils will be completing the ***statutory Multiplication Tables Check (MTC)*** at the start of Term 6. This is to see if they are meeting the age-related expectation for times tables knowledge. Please encourage your child to complete a few minutes practice every day on TT Rock Stars. The 'Soundcheck' game replicates the MTC but all practice is welcomed and beneficial for your child.