

Knowledge Organiser-Year R and 1-Term 6

Topic title: Under the sea/What's in the treasure chest?

Topic Themes: Science/ Geography/ Design and Technology/ Art and Design

Our objectives for the topic:

I can name animals that live under the sea

I can describe features of common sea animals

I can describe the differences between land and sea animals

I know that that sea animals live in different parts of the ocean

I can group and classify sea animals

I can describe what sea animals need to survive

I know which materials to use to create a model

I can use different tools to create a model

I can design and create my own sea creature using recycled materials

Essential Knowledge:

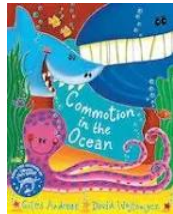
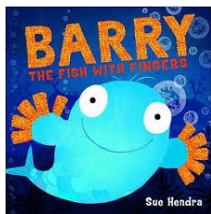
The Earth's surface is made up of land and water

Sea animals live in different habitats such as rock pools, coral reefs and the deep sea

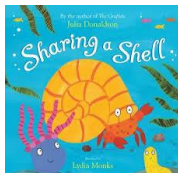
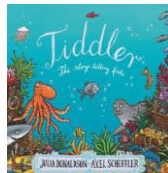
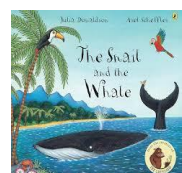
Sea animals need food, water and shelter to survive

Sea animals can be similar and different. Sea animals have different features (e.g., fins, shells, tentacles).









Litter and pollution can hurt sea animals



Books, stories and webpages linked to the topic



Key Vocabulary and definitions:

ocean		A huge body of water. The ocean is a big, deep, salty part of the earth, full of amazing life.
Sunlit zone		The sunlit zone is the top layer of the ocean where the sun's light can reach.
Twilight zone		The twilight zone is the middle layer of the ocean. It's darker and colder than the sunlit zone.
Midnight zone		The midnight zone is the part of the ocean where no sunlight can reach at all.
Abyss		The abyss is one of the deepest parts of the ocean, found below the midnight zone. It's so deep, dark and cold that very animals can live there.
land		The solid, dry surface of the earth.
sea		A sea is a smaller body of saltwater, often partially enclosed by land.
sea animal		Creatures that live in the ocean or other saltwater environments.



<https://www.youtube.com/watch?v=567vaK3BKbo>

Interesting Facts

Most of the Earth is ocean

About 70% of our planet is covered by oceans. That's more than land.

Fish don't blink

Fish don't have eyelids, so they can't blink like we do.

Some fish glow in the dark

In the deep sea, some fish light up using a special glow called bioluminescence.

Whales are not fish!

Whales are mammals, like us! They breathe air and feed their babies with milk.

Key questions

What animals live under the sea?

What do sea animals need to live?

How can we make our own sea creature?



Here are some home learning challenges:

Coral Reef Exploration: Watch a short coral reef video and draw what you saw.

Map the Ocean: Look at a world map and find the oceans. Name them and talk about which animals live there.

What Do Fish Eat? Research what real fish eat and make a 'fish menu'.



Sink or float



Test household items in water to see what sinks or floats.

Plastic in the Ocean: Talk about rubbish in the sea and how recycling helps.

<https://www.natgeokids.com/uk/kids-club/cool-kids/general-kids-club/tips-to-reduce-plastic-pollution/>

- Under the Sea Sounds: Listen to ocean sounds or whale songs and talk about how sea animals communicate.

Sea Creature Fact Cards: Pick 3-5 sea creatures and learn one fun fact about each.

- Weather and the Sea: Talk about how weather affects the sea and sea creatures.



Build a sea habitat using a shoe box or small cardboard box to create an under the sea scene.

