

Blue Abyss - Year 4 - Summer 2

Interesting Books



St Nicolas
Curriculum
2022/23



(Above: Tropical fish in a coral reef) (Below: Jacques Cousteau's research vessel 'Calypso')

Subject Specific Vocabulary

Abyssal zone	Deepest region of the ocean, characterized by high pressure and low temperatures.
Currents	Continuous, directed movements of water in the ocean caused by various factors.
Coral bleaching	Stress-induced phenomenon where corals lose their vibrant colours due to environmental factors.
Mangroves	Coastal trees or shrubs that grow in saline or brackish water.
Ecosystem	Interconnected community of organisms and their environment.
Estuaries	Coastal areas where freshwater and saltwater mix, creating unique and productive ecosystems.
Mariana Trench	The deepest known part of the Earth's oceans, located in the western Pacific.
Plankton	Microscopic organisms that float and drift in the ocean, serving as a food source.
Tides	The rise and fall of sea levels caused by gravitational forces of the moon and sun.
Marine pollution	Contamination of the ocean by human activities, such as oil spills or plastic waste.

Oceanography

Between 1872 and 1876, the Royal Navy ship HMS Challenger took part in a four-year expedition around the world. The crew collected information and carried out investigation into the world's oceans. 'The Challenger Report' and became the basis of modern Oceanography.

Great Barrier Reef

Corals are marine invertebrates that live in large groups called colonies. Some species produce a hard exoskeleton that forms into a coral reef. The Great Barrier Reef, on the north-eastern coast of Australia, is the longest and largest coral reef in the world, with over 600 types of coral. Corals are at risk of being destroyed by climate change, pollution and consumers.

Submarines

In 1620, Cornelis Drebbel built the first submarine. He tested it in the River Thames up to depths of around 4.5m for up to three hours. Today, submarines are used for exploring the deep oceans. They are built to withstand the extreme pressure and have robotic arms to collect marine creatures and samples from the bottom of the ocean.

Maths

- **Time:** Years, months, weeks, days and hours, minutes and seconds. Converting between analogue and digital and 24 hour clock,
- **Shape:** Angles, Triangles, Quadrilaterals, polygons and lines of symmetry.
- **Statistics:** Interpret charts and line graphs.
- **Position and Direction:** Plotting coordinates and Translation of 2D Shapes and coordinates on a grid.

Jacque Cousteau

1910	Born on 11th June in Saint-André-de-Cubzac, France.
1930	Joins the French Naval Academy.
1936	Goes underwater swimming with goggles and begins exploring the sea.
1942	Makes his first underwater film, Sixty Feet Down.
1943	Develops an underwater breathing apparatus, the aqua-lung, with engineer Émile Gagnan.
1945	Begins working for the Undersea Research Group, funded by the French Navy.
1947	Sets the world record for freediving.
1950	Uses a ship called the Calypso for research, diving and filming.
1953	Co-authors the book, The Silent World, which tells the story of his undersea discoveries and adventures.
1956	Releases his first underwater colour film, The Silent World.
1959	Invents an experimental underwater vehicle.
1966-76	Produces a television documentary, The Undersea World of Jacques Cousteau.
1985	Awarded the Presidential Medal of Freedom by the American president Ronald Reagan, for his contributions to science.
1997	Dies on 25th June.

English

We will be writing scripts for a Blue Planet Documentary, event recounts and narratives

Key texts:



Art and DT

Anglo Saxon Longhouses and Broaches linked to Abingdon Week. Puppets and backgrounds for Blue Planet Documentary.

Music

Afro European Fusion Music Djembic Drumming mashups and improvisation. Multipart songs with African influences

Geography

Conservation and the pollution of the natural world.

PE

Class 10: Swimming and Athletics
Class 9: Athletics

French

Days of the week

RE

Christianity and its worldwide reach.

Science

Living things and their habitats Invertebrates and vertebrates. Wildlife in the local area.

Computing

Common commands and constructs of the Logo programming language. Make algorithms for mathematical structures.