



# Outline

# MARINE BIOLOGY

*for kids (ages 5-7)*

Accompaniment for 'Marine  
Biology for kids, Workbook1'.

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# Unit 1: Oceanography

1. One Big Ocean
2. Climate and Weather
3. Ocean Exploration

# One Big Ocean

## Geographic Features

- The world has 1 big ocean
- There are 5 ocean basins which are joined

## Properties of Water

- The ocean consists of salt water

## Geological Features

- The ocean floor has many features
- This includes plains, valleys, mountains and volcanoes.

# Weather and Climate

## Weather

- Local weather is affected by the ocean
- There is weather at sea
- What is extreme weather

## Climate

- What are climate zones
- The oceans are in climate zones



# Ocean Exploration

## How People Explore

- We have explored the ocean for a long time
- People explore through hobbies and careers
- We use different technologies to explore

# Unit 2: Marine Biology

1. Ocean Plants
2. Ocean Animals
3. Ocean Ecosystems
4. Ocean Animal Research Project



# Ocean Plants

## What are Ocean Plants

- There are plants in the oceans
- Seagrass, seaweeds, phytoplankton
- Parts of the plants

## About Ocean Plants

- Where do plants live
- What do plants need
- Plant Lifecycles
- We eat ocean plants

# Ocean Animals

## Groups of Ocean Animals

- Fish, mammals, birds, reptiles
- Parts of animals

## About Ocean Animals

- What they eat
- Lifecycles
- Sizes



# Ocean Ecosystems

## What is an ecosystem

- What are ecosystems
- Where are ecosystems
- Types of ecosystems

## About Ocean Ecosystems

- Habitats
- Food Chains
- Ocean Zones
- Animals adapt to ecosystems

# Research Project

## Ocean Animal Research

- Develop research skills
- Know-What-Learn
- How to describe animals
- Facts about animals
- Parts of animals
- Lifecycles
- Vocabulary



# Unit 3: People and the Ocean

1. Ocean Plants
2. Ocean Animals
3. Ocean Ecosystems
4. Ocean Animal Research Project

# Earth is our Home

## How we use the ocean

- We use the ocean for recreation - we visit the beach
- We use the ocean for transport

## Storytime

- Plot a story
- Develop a story
- Create a story board



# Ocean Conservation

- Living vs non-living
- Natural vs man-made
- Different materials
- Behaviour when visiting the ocean
- Reduce, Reuse, Recycle

# Ocean History

- Living memory - Grandparents visit the beach
- Before living memory - the beach 100 years ago
- Famous event - the Titanic
- Famous Explorer - Captain James Cook



# Unit 4: Prehistoric Oceans

1. Prehistoric Marine Animals
2. Prehistoric Animal Fact File

# Prehistoric Animals

- What is a prehistoric animal
- What do they look like
- What do they eat
- Where did they live
- How big were they

# Prehistoric Fact File

- Research project of 5 animals
- Picture and information