

# **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. Weather and Climate
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
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## **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