

Applicable standards

National Curriculum for England Key Stage 2

KS2 Science

Element of the Science Programme of Study

Lessons

1 2 3

Animals including humans

- Identify and name a variety of living things in their local and wider environment.
- Recognise that living things can be grouped in a variety of ways.
- Recognise that environments can change and that this can sometimes pose dangers to living things.

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KS2 Geography

Element of the Science Programme of Study

Lessons

1 2 3

Geographical skills

- Use maps, atlases, globes.
- Describe and understand key aspects of physical geography.

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SCHEME OF WORK

Lesson 1: Our wonderful ocean

Overview

This lesson introduces students to the marine habitat and the wealth and diversity of life found in the ocean.

Students will learn about the five oceans and study an iconic marine species from each.

Learning outcomes

- Name a variety of ocean habitats and species that live there
- Understand the scale and depth of the ocean
- Conduct research about an iconic marine species
- Record and present findings
- Ask questions and reflect on learning

Resources



Slideshow 1:
Our wonderful ocean



Student Sheet 1a:
Marine icons factsheet

Student Sheet 1b:
Marine icon poster



Gallery:
Living reef

Gallery:
Deep-sea creatures

Gallery:
The Great Barrier Reef



Diagram:
Deep ocean poster

Lesson 2: Our ocean and us

Overview

Students will learn about and reflect on the different ecosystem goods and services provided by the ocean through a quiz. Followed by a group task to create a diorama demonstrating how symbiotic our relationship with the ocean is.

Learning outcomes

- Give examples of how we rely on the oceans
- Understand how an ecosystem produces goods and services
- Use knowledge and understanding to plan a group project
- Work collaboratively in a group
- Justify and explain choices

Resources



Slideshow 2:
Our ocean and us



Activity Overview 2a:
Diorama



Student Sheet 2a:
Using our ocean

Student Sheet 2b:
Diorama backdrop



Thinglink:
Living reef

Lesson 3: Our ocean in crisis

Overview

Students share what they already know about marine plastics pollution. They then reflect on the validity of sources and why it's important to know where the information is coming from. Students then study the profile of an 'Ocean hero' and reflect on what they can do to make a difference.

Learning outcomes

- Discuss ideas and respond to others
- Understand facts about plastics pollution
- Explain why it is important to know the validity of a source
- Research and present information
- Share knowledge and understanding through making a pledge

Resources



Slideshow 3:
Our ocean in crisis



Student Sheet 3a:
My ocean hero



Gallery:
Marine Plastic Pollution