

## SCHEME OF WORK

### Lesson 1: Our wonderful ocean 11-14


#### Overview


This lesson introduces the marine habitat and encourages a discussion around what students already know about the ocean. Students will use globes and maps to identify the location of the different ocean basins. They will then learn the names and key features of iconic species from the ocean. Students then use information sheets to discover how humans use the ocean, presenting their findings in a fact-sheet.

#### Learning outcomes

- Review prior knowledge of ocean
- Name and locate and describe the world's oceans
- Describe the features of iconic marine species
- Explain how humans use the ocean
- Reflect on learning

#### Resources

 **Slideshow 1:**  
Our wonderful ocean

 **Student Sheet 1a:**  
World map

**Student Sheet 1b:**  
Marine ecosystems

**Student Sheet 1c:**  
Competing creatures

 **Gallery:**  
Living reef

**Gallery:**  
Deep-sea creatures

**Gallery:**  
The Great Barrier Reef

 **Diagram:**  
Deep ocean poster

### Lesson 2: Our ocean and us 11-14

#### Overview


This lesson introduces students to the concept of ecosystem goods and services and allows them to discuss and share their knowledge. Students write a letter to the Secretary of State for the Environment outlining their thoughts on the oceans significance and their concerns about it's health. Students also describe how damaging the marine ecosystem could be detrimental for all of us.

#### Learning outcomes

- Discuss the ecological goods provided by the ocean
- Describe the ecological services provided by the ocean **including it's role as a carbon sink**
- Evaluate the importance of the ecological goods and services provided by the oceans
- Consolidate learning about ocean goods and services
- Reflect on learning

#### Resources

 **Slideshow 2:**  
Our ocean and us

 **Student Sheet 2a:**  
Goods and services factsheet

**Student Sheet 2b:**  
Goods and services worksheet

### Lesson 3: Our ocean in crisis 11-14

#### Overview


This lesson challenges students to think about the potential myths we have been led to believe through selective media representation, by completing a true, false or uncertain activity. Students are then asked to think about the different motivations media outlets or organisations might have. Students conduct research about an 'Ocean hero' and create a poster encouraging others to pursue a career in that field. The lesson is concluded by discussing the changes we can implement in our lives which will make a difference to the levels of marine plastic pollution.

#### Learning outcomes

- Understand facts about plastics pollution
- Review prior knowledge of ocean plastic pollution
- Recall facts about plastic pollution
- Explain why it is important to know the validity of a source
- Create an informative and interesting poster about a 'Ocean hero'
- Share knowledge and understanding of marine plastic pollution by making a pledge

#### Resources

 **Slideshow 3:**  
Our ocean in crisis

 **Student Sheet 3a:**  
News articles

**Student Sheet 3b:**  
Ocean hero profiles