

Year 9: Oceans—Big Worlds



Lessons:

1. The origin of oceans
2. Ocean resources
3. Patterns of destruction
4. Oceans and Climate Change
5. Coral reefs
6. Overfishing
7. Who owns the oceans
8. How can we save the oceans

Broad overview:

In this mini topic we take a look at how planet earth came to be a Blue Planet with 71% of it's surface covered by water. We look at how the ocean's structure means it is made up of lots of different ecosystems home to many different forms of wildlife. Pupils will study how each creature is adapted to it's own part of the ocean. We think about how humans behave towards this part of the the planet both in terms of the destruction we cause and importantly the ways people are working to protect it.

Keywords

Oceans, biome, ecosystem, structure, adaptation, destruction, conservation, climate change, zone, natural resource, pollution, industrial waste, rubbish, plastic protection, acidification, warming, sea level rise, carbon sink, melting, bleaching, natural resource, overfishing, natural resource, commercial fisheries, young fish, responsible, international, global, conservation, local, global, healthy.

Links to KS3

Yr 8 Climate change
Yr 8 : Fantastic Places—Great Barrier Reef
Yr 9: Global World
Yr 9—Plentiful Planet—energy and food
All KS3—Biomes in country / continent studies

Links to GCSE and A Level

Ecosystems
Ecosystem structure
Adaptations
Sensitive Environments
Local and Global actions
Natural resources
Exploitation
Conservation
Human—environment interactions
Global commons

Assessment:

End of Unit Test

Homework

Satchel quizzes set fortnightly
Revision for End of Unit Test

Extra Curricula:

Visit the Blue Planet II page on the BBC where you can view the documentaries, download a poster and find out how to get more involved with protecting the oceans.

<https://www.bbc.co.uk/programmes/p04tjbtX>

Jobs

Marine biologist
Oceanographer
Climate scientist
Conservation officer
Diver
Wildlife photographer / videographer