

Subject	Year	Term
Geography	7	Summer Term 1
Topic		Topic Concept
Why do oceans need protecting?		Physical and Human Interactions
Content + skills (Intent)		
<p>Prior Learning (Topic) KS2 Nat Curriculum 'include the location and characteristics of a range of the world's most human and physical features. They should develop their use of geographical knowledge, understanding and skills to enhance their locational and place knowledge.'</p> <p>Students will learn about the location of world oceans and seas and build on their world knowledge of place. They will then spend time exploring aspects of the oceans and develop broader awareness of the interactions in these locations and the treats to them. Work will cover the role of oceans and seas and the importance of ocean currents. Students will then be introduced to coral reefs, its unique habitat, its location and importance and then develop their awareness of the threats to these areas of the ocean. They will undertake optional work on either The Deep or The Frozen ocean by looking at species and adaptation to survive there. Work will then focus on the wider threats to oceans and the role of humans in changing the ocean habitats. Students will be encouraged to challenge photographic evidence of oceans and consider the future of seas and sea life if threats remain unchecked.</p>		
<p>Future Learning (Topic) KS3 at Balcarras: Year 7 - Sustainability of Balcarras and Charlton Kings, Year 8 – Climate change, Future of Antarctica, Year 9 – Coasts, Global tourism and Ecosystems KS4 at Balcarras: Year 11 – The Living World, The Challenge of Resource Management KS5 at Balcarras: Year 13 – Population and the Environment All Years – map and atlas skills.</p>		
How will knowledge and skills be taught? (Implementation)		How will your understanding be assessed & recorded (Impact)
<p>A series of lessons to cover the content describe. Use of video resources to show the oceans and habitats effected. Use of atlases to develop place knowledge of the world Discussion of the issues of ocean pollution and how this might be managed in the future – pupils role in this. Citizenship</p>		<p>Annotated world map of the oceans and seas to show knowledge.</p> <p>Completed notes on the characteristics of the coral reef and a series of notes about the threats to it. Creation of infographic style posters to show how it can be protected/why it is important</p> <p>Notes on either the characteristics of the frozen or deep oceans and the species that live there.</p> <p>Detailed notes on oceans threats using variety of teaching styles.</p>
How can parents help at home?		
<p>Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries e.g This fishing life on BBC, Seaspiracy on Netflix. Consider the impact of plastic pollution and encourage good practise of buying products and waste disposal with students at home. Talk about overfishing and the impact of the food industry on the food chain. Be aware of the wider role of the oceans (carbon sink, habitat, water source).</p> <p>Great documentaries: Ocean Autopsy – the secret of our seas on Iplayer, Drowning in Plastic from the BBC World Ocean factfile information https://owlcation.com/stem/Oceans-of-the-world</p>		

National Geographic Ocean pages <https://www.natgeokids.com/au/discover/geography/general-geography/ocean-facts/>

Conversation Starters:

Everyone should limit the fish that they eat

Plastic bags and packaging should be banned

Animals should have the same rights as humans

We don't need to understand maps or know how to use a compass, it is all on our phones!

Oceans are in hot, hot water

Overfishing is the most serious threat to our ocean

Helpful further reading/discussion

Reading

- And the ocean was our sky by Patrick Ness
- The boy who sailed the ocean in an armchair by Lara Williamson
- FloodWorld by Tom Huddleston
- In focus by Libby Walden
- Runners by Ann Kelley
- Destroying the Oceans by Sarah Levete
- Across the Risen Sea by Bren MacDibble
- Alone on a Wide Wide Sea by Michael Morpurgo
- Beyond the Bright Sea by Lauren Wolk
- Girl, Boy, Sea by Christopher Vick
- Half a Creature from the Sea by David Almond
- Journey to the River Sea by Eva Ibbotson
- The Old Man and the Sea by Ernest Hemingway
- The Extraordinary story of mapping the deep by Robert Kunzig
- Aquaman's Guide to the Oceans by Jackie Gaff
- Treasure Island by Robert Louis Stevenson
- The Atlas of the Oceans by Linda Sonntag
- Deep Oceans by Anna Claybourne
- There is no Planet B by Mike Berners Lee
- How to give up plastic by William McCallum

Vocabulary Lists

Ocean current,
ocean acidification,
polyp,
larvae,
colony,
coral bleaching,
toxic waste,
climate change,
overfishing,
litter island,
great pacific garbage patch,

Careers Links

Task: Be inspired – what jobs have been discussed this topic? Make a list of them all and choose 2 to find out about

Oceanographer links

<https://www.environmentalscience.org/career/oceanographer>

<https://www.prospects.ac.uk/job-profiles/oceanographer>

Cartography links

<https://www.youtube.com/watch?v=0B0-UnKtUZg>

Skills focus – the ability to interpret maps and information is a vital skill for all careers. Links to numeracy and following instructions as well as being able to know where you are will be important in life.