

CLIMATE CHANGE

OUR OCEANS

THE DEEP
For conservation, not profit



KS4+



• Science
• Citizenship



40 mins

SUSTAINABLE SDG
DEVELOPMENT GOALS 13&14

OVERVIEW

This discussion based workshop explores and examines the effects of global warming.

It begins with normal climate change which depends on our position in space and moves on to the changes in our oceans being caused by the warming of our planet.

Learners are encouraged to consider their own impact on the environment and suggest possible personal, local and global solutions to lessen carbon dioxide output and allow the oceans the opportunity to recover.

OBJECTIVES

- Understand how the oceans are affected by climate change globally.
- Understand how our own UK waters are affected by climate change.
- Increase understanding about life style changes to reduce climate change.

LEARNING SESSION CONTENT

This workshop starts with a look at how our position in space causes normal planetary warming and cooling, then discusses the effect humans are having on climate change.

Oceans are getting warmer, losing oxygen, becoming more acidic and sea levels are rising. Each change is looked at globally and then locally, showing how animals in our own waters are being affected.

The current research done by The Deep on corals and current research done by Hull University on hermit crab senses is discussed to increase understanding of the effects of climate change on UK animals.

Finally, understanding how our own lifestyles produce CO₂ is explored using a discussion based game and ways to reduce carbon dioxide and mitigate climate change are discussed.

This presentation does aim to talk about climate change in a positive manner and focus on how we can help to mitigate it.