

CLIMATE CHANGE AND OUR OCEAN

Learning Level First, Second and Third (P2-S3)
Time 2 hours

Climate change is affecting our planet in many ways and, as it is a blue planet, the ocean is being impacted on a massive scale. Climate change affects the ocean in three ways, through increased temperature, decreased oxygen levels and increased acidity. These themes will be explored with your class to varying levels depending on age and learning stage through interactive demos, activities and role play.

Activities

A guided tour of the aquarium
Handling live marine animals
Interactive climate workshop tailored to your group

Key Concepts

Climate change is a change in the global climate patterns.
It is caused by increased levels of carbon in our atmosphere.
It is causing environments to change, and plants and animals are being affected.
There are many things we can do to help minimise the impact of climate change

Related Experiences and Outcomes

First

I have contributed to discussions of current scientific news items to help develop my awareness of science. SCN 1-20a

I can consider ways of looking after my school or community and can encourage others to care for their environment. SOC 1-08a

Second

I have collaborated in activities which safely demonstrate simple chemical reactions using everyday chemicals. I can show an appreciation of a chemical reaction as being a change in which different materials are made. SCN 2-19a

I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way. SOC 2-08a

Third

I can explain some of the processes which contribute to climate change and discuss the possible impact of atmospheric change on the survival of living things. SCN 3-19b

I can identify the possible consequences of an environmental issue and make informed suggestions about ways to manage the impact. SOC 3-08a