

OUR WORLD'S PLASTIC PROBLEM

Why are our world's oceans so important?

How are our oceans and the animals that live there being affected by plastics?

Consider the impact of human behaviour on our oceans and ways in which The Deep, other organisations and you can reduce your plastic footprint.



KS2



Science & Geography



40 Minutes

OVERVIEW & CURRICULUM LINKS

Through a range of interactive activities and discussion pupils gain knowledge and understanding of this hot topic which impacts on us all.

Direct links to the Science and Geography programmes of Study and addresses the broader citizenship angle.

OBJECTIVES

For pupils to:

- recognise that environments can change and that this can sometimes pose dangers to living things
- construct and interpret a variety of food chains, identifying producers, predators and prey
- understand the properties of materials
- explore examples of human impact

LEARNING SESSION CONTENT

INPUT

1. Let's look at the world's oceans.

Why are the world's oceans so important to our survival? Using our visual Magic Globe children identify our 5 oceans, understand ocean currents and learn how plastic accumulates to create the plastic Garbage Patch.

2. The Properties and Structure of plastics. Can they be broken down?

Interactive Challenge Activity 1

How easy is it to destroy a plastic bottle?

Interactive Activity 2 (Time dependent) Microbead Practical

3. Food Chains

Interactive Activity 3

Children take part in an activity to simulate the bioaccumulation of plastics within a food web.

4. Recycling or Plastics

Interactive Activity 4: Sorting activity

Children identify the number on the plastic and organise them into the correct Recyclable and Non-recyclable container.

Which items are compostable and what does this mean?

How much waste is actually recycled?

5. Taking Action at The Deep

Find out how The Deep promotes the plastics problem and how the organisation has taken action reduce plastic usage.

PLENARY

Take Action! World Initiatives:

Discuss some of the initiatives to reduce plastics from a global perspective.