

Topic:	Year group	Term
Sustainability - Plastic	2	Autumn 2

Background knowledge

Children learn that the overuse of single-use plastic has had negative impacts on humans and other animals all over the world. Children should understand the basic positive and negative impacts of plastic and should be able to suggest simple ways they can reduce their plastic waste in school.

Children should understand that plastic is both helpful and harmful. They should know that some plastics are recyclable and that there are ways to reduce plastic waste at home and in school.

Common misconceptions

- Children may think that their plastic waste has no impact on the planet.
- Children may think that once a plastic item has been used it cannot be used again.

What should I already know?

In the previous materials unit, children learnt that plastic is a human-made material and some plastics can be recycled. Here they look at how plastic is both helpful and harmful.

National Curriculum Objectives / Key Skills	The Journey
<u>Working scientifically</u> • Using their observations and ideas to suggest answers to questions. • Explore the world around them and raise their own questions (non-statutory).	1. How is plastic helpful and harmful? 2. How can we reduce our plastic waste in school?

Scientific enquiry



Outcomes

Working towards: I know that plastic waste can be harmful but need support in explaining why. With support I can identify ways to reduce waste in school.

Expected: I know that plastic waste can be harmful and can explain why. I can identify ways to reduce waste in school.

Exceeding: I know that plastic waste can be harmful and can explain why giving examples. I can identify ways to reduce waste in school and make a plan for my own school.

Key Vocabulary

Human-made material - a material made by people
Recycle - to change rubbish into a material that can be used again
Single use plastic - plastic that is used once and thrown away

Timeline / Diagrams



Key people / places

STEM scientist - Ruth Scott - water efficiency analyst

Question of the week

Question of the Week

Can you match the picture with its name?



Stopwatch

Pipette