

Session title	Plastic Planet	
Key question	Which everyday objects are made from plastic and why is this a problem?	
Session description	Explore different everyday objects made from plastic. What problems does plastic pollution cause and what can we do to help?	
Key Stage suitability	KS1	
Duration	1 hour	

Curriculum links	KS1 Science Year 1 Everyday materials - Distinguish between an object and the material from which it is made - Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Year 2 Living things and their habitats - Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food Uses of everyday materials - Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	
Learning outcomes	Most learners will...	More able learners will...
	- Recognise that there are many everyday items made from plastic, some of which may not be obvious - Understand the problems that plastic pollution causes wetlands and their wildlife - Recognise that plastics take a long time to break down - Know some simple things that they can do to help improve the situation	- Understand that plastic pollution in wetlands comes from a range of sources - Understand that microplastics can be passed through a food chain
Key vocabulary	Wetland Habitat	Microplastics Pollution Decomposition

Session Outline	Time
Introduction	2 mins
Learners are introduced to the key question and what will be covered.	
Activity 1: Hidden plastic - Where does plastic pollution come from?	16 mins
Learners examine a selection of familiar household items and predict which include plastic and which don't.	

Activity 2: Problem plastics	10 mins
Learners look at the impact this has on wildlife including how microplastics can be passed through a food chain	
Activity 3: How long does the problem last?	16 mins
Learners investigate how long different materials take to decompose and how plastics can remain in the environment for a long time	
Plenary	16 mins
Learners recap and explore some of the alternatives to plastic and some of the small steps they can take to reduce plastic pollution.	