Session Title	Plastic Planet	WWT
Key question	How does plastic pollution affect wetlands and what can we do about it?	
Session description	Explore different everyday objects made from plastic. What problems does plastic pollution cause and what can we do to help?	
Key Stage	KS1	
Duration	30 minutes	

Curriculum links	KS1 Science ▪ 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 ▪ Identify and name a variety of common animals that are carnivores, herbivores and omnivores ▪ 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	
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 immediately obvious Understand the problems that plastic pollution causes for wetland wildlife and habitats Understand that microplastics can be passed through a food chain 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 micro-plastics can accumulate through food chains
Key vocabulary	Pollution Microplastics Decomposition	

Session Outline	Time
Introduction	2 mins
Learners are introduced to the session title and key question.	
Activity 1: What is the issue?	10 mins
Learners in small groups investigate different items that create plastic pollution and where these come from, sorting the bags of materials and discussing which of them contain plastic.	
Activity 2: What problems does this cause?	8 mins
Learners look at the impact this has on wildlife including how micro-plastics can be passed through a food chain.	
Activity 3: How long does the problem last?	4 mins
Learners investigate how long different materials take to decompose and how plastics can remain in the environment for a long time, discussing the contents of different bags of materials and discovering how long each takes to decompose.	

Activity 4: What can we do to improve the situation?	4 mins
Learners discuss some of the alternatives to plastic and some of the small steps they can take to reduce plastic pollution.	
Plenary	2 mins
Learners review what they have learnt and have a chance to ask any questions they may have.	