

Session title	The Migration Challenge	
Key Q	What challenges do migratory birds face and what can we do to help them?	
Session description	Bring together core elements of the science and geography curriculum through an exploration of the wonders of migration. Why do these birds choose to migrate and what is it about WWT Slimbridge that brings them here? Describe their journey using compass directions and a range of geographical language. Where do they travel from, and which countries do they pass on their way? What threats do they face on their journey and what can we do to help them?	
Key Stage Suitability	KS2	
Duration	1 hour	

Curriculum links	Year 3: Science (Animals including humans) - Identify that animals, including humans, need the right types and amount of nutrition, and - that they cannot make their own food; they get nutrition from what they eat. Year 4: Science (Living things and their habitats) - Recognise that environments can change and that this can sometimes pose dangers to living things. Geography (Human and physical geography) - Describe and understand key aspects of physical geography, including climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.	
Learning outcomes	Most learners will...	More able learners will...
	- Be able to Identify a Bewick's swan. - Be able to give the meaning of migration. - Be able to recount challenges birds face on migration and give examples of what they can do to help birds overcome them.	- Be able to understand how changes in the environment can leave migratory species less well adapted and can affect their survival. - Be able to describe how WWT helps migratory birds.
Key vocabulary	Migration Habitat Threats	Conservation Features Wetlands Survey Research Bewick's swan

Session Outline	Time
Introduction	5 mins
Learners are introduced to the key question (What challenges do migratory birds face and what can we do to help them?) and the wetlands. They consider the question 'What is migration?'	
Activity 1: Class migration game	10 mins
Learners role play the Bewick's swan migration in 'family' groups.	
Activity 2: Become a WWT Conservationist	15 mins
Learner's experience completing research surveys similar to those completed by WWT staff on expedition.	
Activity 3: What challenges do migratory birds face and what can we do to help them?	10 mins

Learners explore the challenges species face whilst on migration and what we can do to help overcome them locally, nationally and internationally.	
Activity 4: Experience life in the Arctic Tundra	10 mins
Learners explore the 'Arctic Adventure' hut and experience the life of a conservationist on expedition.	
Plenary	5 mins
Learners review what they have learnt and ask any further questions.	