

Session title	Amazing Migration	
Key Q	How and why do birds migrate?	
Session description	Meet our Brent Geese and explore their amazing journey from the Canadian Arctic to Castle Espie. How do these locations compare and what does each offer these amazing birds? Why do they choose to make this epic journey? How do they navigate and what challenges do they face along the way?	
Key Stage Suitability	KS3	
Duration	2 hours	

Curriculum links	KS3 Science and Technology: Science: - Investigate the effects of pollution, for example, water, air, land, sound etc. and specific measures to improve and protect the environment, for example, renewable energy, efficient use of resources, waste minimisation, etc - Explore the importance of biodiversity, how it impacts on our lives and how it is affected by human activity - Investigate what can be done to conserve and promote biodiversity KS3 Environment and Society: Geography: - Investigate how physical processes operate to create distinct and diverse environments - Investigate the impact of conflict between social, economic and environmental needs, both locally and globally		
Learning outcomes	Most learners	More able learners	
	Will be able to identify a Brent goose and understand the detailed geography of where they migrate to. Will be able to understand all external principals governing migration. Will be able to comprehend at least two external pressures brought to bear on the species.	Will be able to fully comprehend all the pressures brought to bear on the species by various factors both human and natural. The adaptation of the species in-order to complete migration. Will be able to fully comprehend the work of WWT in looking after other migration flyways and how they have a role to play.	
Key vocabulary	Light Bellied Brent Goose Migration. Kilometres/Miles Body Mass Zostera/Eel Grass	Biodiversity Predation Species Habitats Indigenous	Celestial navigation Climate change Territoriality Moulting Inuit

Session Outline	Time
Introduction	5 mins
We welcome learners and outline what the session is about.	
Activity 1: Introduction to species in captivity.	30 mins
Learners are introduced to captive Light-bellied Brent geese while they're feeding.	
Activity 2: Observation from the hide.	35 mins
Learners visit the hide with binoculars to study the birds in their natural wintering grounds.	
Activity 3: The Migration Map.	35 mins

Learners study a giant floor map plotting their migration route and staging areas.	
Plenary	15 mins
We refer back to the programme title and have the opportunity for Q&A.	