

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	<p><b>KS3 Science and Technology: Science:</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>Explore the importance of biodiversity, how it impacts on our lives and how it is affected by human activity</li> <li>Investigate what can be done to conserve and promote biodiversity</li> </ul> <p><b>KS3 Environment and Society: Geography:</b></p> <ul style="list-style-type: none"> <li>Investigate how physical processes operate to create distinct and diverse environments</li> <li>Investigate the impact of conflict between social, economic and environmental needs, both locally and globally</li> </ul>		
Learning outcomes	<p><b>All learners</b></p> <ul style="list-style-type: none"> <li>Will be able to identify a Brent goose and understand the detailed geography of where they migrate to.</li> <li>Will be able to understand all external principals governing migration.</li> <li>Will be able to comprehend at least two external pressures brought to bear on the species.</li> </ul>	<p><b>More able learners</b></p> <ul style="list-style-type: none"> <li>Will be able to fully comprehend all the pressures brought to bear on the species by various factors both human and natural.</li> <li>The adaptation of the species in-order to complete migration.</li> <li>Will be able to fully comprehend the work of WWT in looking after other migration flyways and how they have a role to play.</li> </ul>	
Key vocabulary	<ul style="list-style-type: none"> <li>High Eastern Canadian Light Bellied Brent Goose.</li> <li>Migration.</li> <li>Kilometres/Miles</li> <li>Body Mass</li> </ul>	<ul style="list-style-type: none"> <li>Biodiversity</li> <li>Predation</li> <li>Species</li> <li>Habitats</li> <li>Zostera/Eel Grass</li> <li>Inuit</li> <li>Indigenous</li> </ul>	<ul style="list-style-type: none"> <li>Celestial navigation</li> <li>Climate change</li> <li>Territoriality</li> <li>Moulting</li> </ul>

Session Outline	Time
Introduction	5 mins
We welcome the children and outline what the session is about.	
Activity 1: Introduction to species in captivity.	30 mins
Introduction of captive Light-bellied Brent geese while feeding.	
Activity 2: Observation from the hide.	30 mins

Visit the hide with binoculars to study the birds in their natural wintering grounds.	
Activity 3: The Migration Map.	30 mins
Visit the Limekiln to study the floor map of their migration route and staging areas.	
Plenary	15 mins
We refer back to the programme title and have the opportunity for Q&A.	