Session title	Bird researchers
Key Question	How and why do we monitor birds?
Session description	Take on the role of a conservation scientist carrying out a range of monitoring activities and behaviour studies. Why is this type of monitoring so important in helping to protect wildlife and habitats?
Key Stage suitability	KS2
Duration	1 hour

Curriculum links	**Curriculum for Wales** **Science and Technology** Being curious and searching for answers is essential to understanding and predicting phenomena ▪ Progression step 1 - I can explore the environment, make observations and communicate my ideas. ▪ Progression step 2 - I can explore relationships between living things, their habitats and their life cycles. The world around us is full of living things which depend on each other for survival ▪ Progression step 2 - I can explore relationships between living things, their habitats and their life cycles. ▪ Progression step 3 - I can describe how living things compete for specific resources and depend on each other for survival. **Humanities** Our natural world is diverse and dynamic, influenced by processes and human actions ▪ Progression step 1 - I have first-hand experience of the natural world and am beginning to recognise places which are familiar to me. ▪ Progression step 3 - I can describe and give simple explanations about the impact of human actions on the natural world in the past and present. Informed, self-aware citizens engage with the challenges and opportunities that face humanity, and are able to take considered and ethical action ▪ Progression step 2 - I am beginning to appreciate and care for living things and my own environment. ▪ Progression step 3 - I can understand the consequences of my actions and the actions of others, and how these affect local, national and global issues.

Learning outcomes	All learners	More able learners
	<u>All learners</u> will be able to observe bird life <u>All learners</u> will be able to share their observations and record data <u>All learners</u> will recognise the importance of monitoring bird populations for conservation	<u>Some learners</u> will be able to infer relationships between birds and their environment from observations shared

Key vocabulary	Bird count Pecking Diving	Recording Monitoring Preening	Species Habitat Observing

Session Outline	Time
Introduction	15 mins
Learners are introduced to the centre, staff and volunteers running the session and the key question, explaining what we will be focusing on today.	
Section 1: Top Pond	5 mins
Learners conduct a bird count and a pecking rate count, using technology and the naked eye and comparing results.	
Section 2: Smew pen	5 mins
Learners monitor and record the diving rates of our diving ducks.	
Section 3: Cranes and Flamingos	10 mins
Learners record the preening rate of both our crane and our flamingos. What does this tell us?	
Section 4: Observatory	15 mins
Learners conduct a species count. Why are these species drawn to this habitat?	
Plenary	10 mins
Learners will review what they have learnt and ask any further questions.	