

# Session Outline

## KS3 & 4: All About the Birds

This outline is a general guide for what to expect during your session with us. Activities and session structure may vary depending on weather conditions and other circumstances.

National Curriculum links:		
<p>KS3 - The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection. Changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction.</p> <p>KS4- The characteristics of a living organism are influenced by its genome and its interaction with the environment. The importance of biodiversity and how organisms are interdependent and are adapted to their environment.</p>		
Learning Objectives	Session outline	Evaluation of Learners progress
<ul style="list-style-type: none"> <li>Be able to explain features of different species</li> <li>Be able to explain why/how species have adapted over time</li> <li>Explain the importance of biodiversity and the interdependence</li> </ul>	<p>Students have the chance to study the anatomy and ecology of a wide variety of bird species using our impressive display of taxidermy birds to compare and contrast the features of different species and discuss the impact of evolution and biodiversity. After dissecting owl pellets to discover what birds of prey eat and how to identify the different species by their bones, we then grab some binoculars and head outside to quietly observe wetland birds in their natural habitat.</p> <p><b>Activities to include</b>            Look at the stuffed birds and try and determine their ecology i.e. what they eat, how they behave etc.</p> <p>Dissect owl pellets to discover what they eat and how to identify the different species by their bones.</p> <p>Look at a variety of nests and see how different birds make them and why</p> <p>Inspect a selection of skulls and bones, discuss purpose of skeletons</p> <p>Instruction on how to set up binoculars</p> <p>Bird observation either from hides or viewing platforms</p>	<p>To include: Discussion with students before, during and after the visit. Completion of tasks, photographs which you may take for post visit discussions, displays and activities.</p>
Pre Visit activities	Post Visit activities	
<p>Explore examples of adaption and evolution</p> <p>Identify common bird species and their key features</p>	<p>Conduct species count on school site</p> <p>Sharing knowledge gained with rest of school e.g display</p> <p>Build a food web</p>	