Science Knowledge Building

Processes and Changes	Methods	Observing and Recording	Scientific Vocabulary	Uses and Implications	Cross-Curricular (STEM)
Know the developmental changes in birds	Understand and expand on the needs of birds and compare to other animals, including humans	Know some similarities and differences between some birds through observation and recording	Know language related to living things including more scientific language such as 'respiration' and 'nutrition'	Know about the work of local bird charities and how their work protects birds	Know how charts, pictograms, tally charts and other graphical recordings can help with scientific experimentation
Know that birds lay eggs	Understand and describe what birds need to stay alive	Know how to observe birds using simple equipment, such as binoculars, identifying their key features	Know language related specifically to birds e.g. beak, feathers, eggs	Understand the importance of birds in the local area and know some ways to protect them	Know how to use simple charts and pictograms when recording bird observations
Identify simple processes and explain in basic terms how they happen	**Know the key parts of a simple scientific method**	**Know how to use simple equipment in observing and recording**	**Understand some vocabulary linked to specific area of science e.g. animals - species**	**Know that science is used in a range of everyday situations, both in and outside the classroom**	**Identify clear connections between science, technology and mathematics for basic experimenting**

Happily Ever After