



St Bartholomew's Knowledge Organiser		Class 4	Summer 1 Science – Year B	Living Things and their Habitats: Evolution & Inheritance
What we will learn:			Science Knowledge	
<p>In this unit you will learn:</p> <ul style="list-style-type: none"> ➤ To distinguish between characteristics which are inherited through genes from your parents and characteristics which are inherited through your environment. ➤ To identify variations between yourselves and your classmates. ➤ To use secondary sources to research animal adaptations. ➤ To design a new plant or animal to live in a particular habitat. ➤ To understand how fossils can provide information about animals which lived millions of years ago. ➤ Use secondary sources to find out about how the population of peppered moths changed during the industrial revolution. ➤ To identify features in animals and plants that are passed on to offspring and understand how this is evidence for natural selection. ➤ Research the work of Charles Darwin, Mary Anning and Alfred Wallace. 			<ul style="list-style-type: none"> ➤ Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. ➤ Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. ➤ Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. 	
Important Vocabulary			Science skills we will develop:	
<p>Offspring, sexual reproduction, vary, characteristics, genes, adapted, environment, inherited, species, fossils, evolution, natural selection.</p>			<ul style="list-style-type: none"> ➤ Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations. ➤ Identify scientific evidence that has been used to support or refute ideas or arguments. 	