

## The Science of Aliens – curriculum links

Key Stage 2	Key Stage 3	Key Stage 4 (double)
<b>Sc1 Scientific enquiry</b>		
<p><b>Ideas and evidence in science</b> 1a) that science is about thinking creatively to try to explain how living and non-living things work, and to establish links between causes and effects.</p>		
<b>Sc2 Life processes and living things</b>		
<p><b>Life processes</b> 1a) that the life processes common to humans and other animals include nutrition, movement, growth and reproduction 1c) to make links between life processes in familiar animals and plants and the environments in which they are found</p> <p><b>Living things in their environment</b> 5b) about different plants and animals found in different habitats 5c) how plants and animals in two different habitats are suited to their environment</p>	<p><b>Variation, classification and inheritance</b> 4a) about environmental and inherited causes of variation within a species</p> <p><b>Living things in their environment</b> 5b) that habitats support a diversity of plants and animals that are interdependent 5c) how some organisms are adapted to survive daily and seasonal changes in their habitats 5d) how predation and competition of resources affect size of populations</p>	<p><b>Variation, inheritance and evolution</b> 4i) that the fossil record is evidence for evolution 4j) how variation and selection may lead to evolution or to extinction</p> <p><b>Living things in their environment</b> 5a) how the distribution and relative abundance of organisms in habitats can be explained using ideas of interdependence, adaptation, competition and predation</p>
<b>Sc4 physical processes</b>		
	<p><b>The Earth and beyond</b> 4b) the relative positions of the Earth, Sun, and planets in the solar system</p>	<p><b>The Earth and beyond</b> 4a) the relative positions and sizes of planets, stars, comets and other bodies in the universe 4e) about the search for evidence of life elsewhere in the universe</p>
<b>Breadth of study – Pupils should be taught the above through...</b>		
a) a range of domestic and environmental contexts that are familiar and of interest to them	a) a range of domestic, industrial and environmental contexts	a) a range of domestic, industrial and environmental contexts