

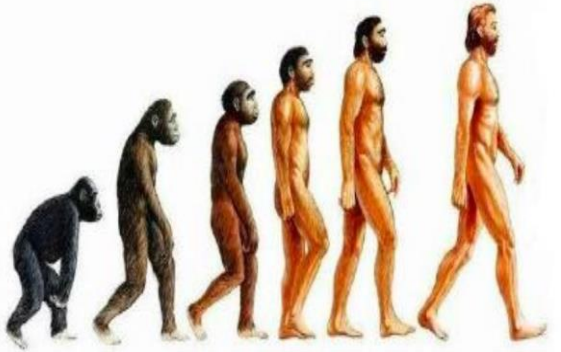


# Year 6: Science Evolution & Inheritance Knowledge Mat

Subject Specific Vocabulary		Information	Important knowledge
<b>adaptation</b>	How living things change over time to suit their environment and survive.	 <p>Unpolluted Environment</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I know why animals adapt to their environment.</li> <li><input type="checkbox"/> I know how polar bears have adapted to suit their environment and apply this knowledge to give further examples of adaptation.</li> <li><input type="checkbox"/> I know how the peppered moth adapted due to pollution during the industrial revolution.</li> <li><input type="checkbox"/> I know that characteristics are passed from one generation to the next.</li> <li><input type="checkbox"/> I know that species produce offspring that are the same as the parents but are different in some ways.</li> <li><input type="checkbox"/> I know that fossils records provide evidence of evolutionary change in humans and can describe some of these changes.</li> <li><input type="checkbox"/> I know that Charles Darwin was a pioneer in the discovery of evolution through his work with mockingbirds.</li> <li><input type="checkbox"/> I can use scientific words and clear sentences to explain adaptations of animals.</li> <li><input type="checkbox"/> I can decide which is the best format to present my results and explain my choices.</li> <li><input type="checkbox"/> I can make a prediction to say which characteristics will be passed on to offspring, and explain my reasons using scientific knowledge.</li> <li><input type="checkbox"/> I can use an iPad for research and evaluate fact from fiction.</li> <li><input type="checkbox"/> I can use more than one piece of evidence to write a conclusion and explain what I understand about evolution.</li> </ul>
<b>characteristic</b>	A special quality or appearance that makes an individual or group different from others.		
<b>favourable</b>	A characteristic which gives a species an advantage.	 <p>Polluted Environment</p>	
<b>survival</b>	To remain alive		
<b>evolution</b>	The theory that all the living things that exist today developed from earlier types.		
<b>inherited/ inheritance</b>	The process by which genetic information is passed on from parent to child.		
<b>variation</b>	Differences between individuals or groups.		
<b>heredity</b>	The passing of a characteristic from parent to child.		
<b>advantage</b>	A characteristic which benefits an individual or group.		
<b>extinction</b>	Extinction occurs when there are no more of that species left anywhere in the world.		