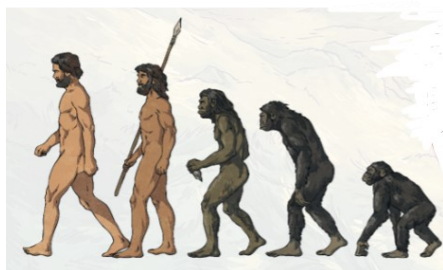




<b>Science</b>	<b>Year 6</b>
<b>Focus: Evolution and Inheritance</b>	
<b>Age related scientific vocabulary</b>	

<b>Inheritance</b>	Inheritance is when characteristics are passed on from parent to offspring.
<b>Evolution</b>	Evolution is a process of change that takes place over many generations during which species of animals, plants or insects slowly change some of their physical characteristics.
<b>Adaption</b>	Adaptation is when animals and plants have evolved so that they have adapted to survive in their environments.



<b>Key Knowledge</b>
<ul style="list-style-type: none"> <li>Differences within a species, for example between parent and offspring, can be caused by inheritance and mutations.</li> <li>Evolution happens when there is competition to survive. This is called natural selection.</li> <li>Most evidence of evolution comes from fossils—when these are compared to living creatures from today, palaeontologists can compare similarities and differences.</li> <li>Organisms best suited (adapted) to their environment are more likely to survive long enough to reproduce. .</li> <li>Some environments provide challenges yet some animals and plants have adapted to survive there e.g. polar regions.</li> <li>Charles Darwin was an evolutionary scientist who studied different animal and plant species, which allowed him to see how adaptations could come about.</li> </ul>

Success Criteria	Pupil Reflection		Teacher Assessment
I understand and can explain what inheritance is	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I understand and can explain what evolution is	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I understand how fossil evidence helps understand evolution	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain what adaption is and how animals have adapted to their environment	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain the work of the evolutionary scientist, Charles Darwin	Before <input type="checkbox"/>	After <input type="checkbox"/>	