

Subject: Science



Radcliffe Hall
CE/Methodist Primary School

Theme: Evolution and inheritance (Y6)

Knowledge	Skills	Vocabulary (Top 20)	Common misconceptions
<p>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</p> <p>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</p> <p>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p>	<p>Compare the skeletons of apes, humans, and Neanderthals – how are they similar, and how are they different?</p> <p>Classify these observations into evidence for the idea of evolution, and evidence against?</p> <p>Observe animals in the immediate locality and raise questions about how they have adapted to their environment.</p> <p>Use different pieces of equipment, e.g. chopsticks, toothpicks, cutlery, to look for patterns linking the suitability of bird beaks for the available food e.g. rice, grapes, raisins.</p> <p>Research different types of a species and their characteristics making them suitable for different habitats e.g. penguins, polar bears, camels or cactuses.</p>	<p>fossil</p> <p>habitat</p> <p>environment</p> <p>Mary Anning</p> <p>offspring</p> <p>variation</p> <p>adaptation</p> <p>adaptive trait</p> <p>Alfred Wallace</p> <p>asexual reproduction</p> <p>characteristics</p> <p>Charles Darwin</p> <p>evolution</p> <p>evolve</p> <p>inheritance</p> <p>inherited trait</p> <p>natural selection</p> <p>sexual reproduction</p> <p>species</p> <p>suited</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> Adaptation occurs during an animal's lifetime: giraffes' necks stretch during their lifetime to reach higher leaves and animals living in cold environments grow thick fur during their life. Offspring most resemble their parents of the same sex, so that sons look like fathers. All characteristics, including those that are due to actions during the parent's life such as dyed hair or footballing skills, can be inherited. Cavemen and dinosaurs were alive at the same time.



Love



Friendship



Compassion



Community



Trust



Forgiveness

"Let all that you do be done in love." 1 COR 16:24
Do all the good you can.... John Wesley

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