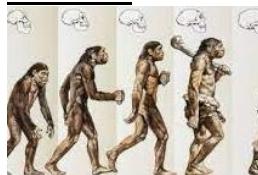
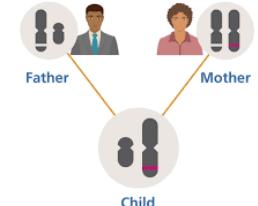


## Year 6 Science - Evolution and Inheritance - Spring 1 and 2

| What am I going to learn in this unit?  | Vocabulary I need to know   |
|---|---|
| <b>Sticky Knowledge</b> <ul style="list-style-type: none"> <li>Define and identify variation in organisms and recall that it is caused by inherited and environmental factors.</li> <li>Recall that living things produce offspring of the same kind but are not normally identical to their parents.</li> <li>Describe patterns of inheritance from parent to offspring in a given example or family tree.</li> <li>Describe what an adaptation is; it cannot be chosen and is usually inherited.</li> <li>Describe key characteristics that would help an organism to survive and explain how an adaptation helps the organism to survive.</li> <li>Explain how variation may affect survival within a population and recall what natural selection means.</li> <li>Recall what evolution is, identify differences between a living thing and its ancestor and describe key steps in the evolution of a species.</li> <li>Recall different types of evidence that can be used to explain evolution and describe methods that make scientists' results or conclusions more trustworthy.</li> </ul> | <p><u>Fossils</u><br/> </p> <p>The remains or impression of a prehistoric plant or animal embedded in rock and preserved in petrified form.</p> <p><u>Adaptation</u><br/> </p> <p>The process of change by which an organism or species becomes better suited to its environment.</p> <p><u>Evolution</u><br/> </p> <p>The process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth.</p> <p><u>Inherited</u><br/> </p> <p>A quality, characteristic, or predisposition derived genetically from one's parents or ancestors.</p> <p><u>Characteristics</u><br/> </p> <p>A feature or quality belonging typically to a person, place, or thing and serving to identify them.</p> |
| <b>Working Scientifically</b> <ul style="list-style-type: none"> <li>Sort variation as environmental, inherited or a mixture of both.</li> <li>Evaluate a method by recalling variables that were effectively kept the same and those that were harder to control.</li> <li>Comment on the reliability of the results and the degree of trust.</li> <li>Consider how evidence is used to form theories and the degree of trust the evidence offers.</li> </ul>  |   |

**Fossils**



The remains or impression of a prehistoric plant or animal embedded in rock and preserved in petrified form.