



St Paul's C of E Primary School – Knowledge Organiser

Name of Topic

Evolution and Inheritance

Year Group

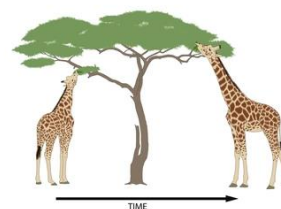
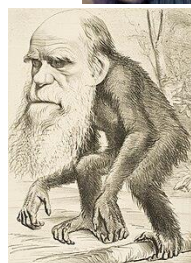
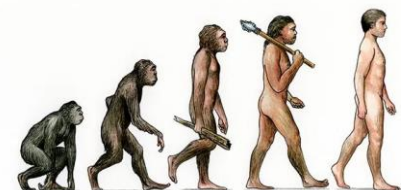
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Key Vocabulary and Spellings

1	evolution	The process by which living things can gradually change over time.
2	inheritance	The process of passing on features from parents to offspring.
3	mutations	A mistake or a change in a living thing's DNA.
4	adaptations	A physical or behavioural characteristic of an animal that helps it to survive in it's environment.
5	Mary Anning	An English fossil collector and expert palaeontologist.
6	characteristic	Distinguishing features or quality of something.
7	offspring	When an organism produces a new organism through reproduction.
8	Charles Darwin	An English naturalist, who is famous for his work on evolution and natural selection.
9	natural selection	A process by which a species changes over time in response to changes in the environment, or competition between organisms, in order for the species to survive.
10	variation	The differences between the individuals in a species.

Top 5 Topic Facts

1	In 1823 Mary Anning was the first to discover the complete skeleton of a Plesiosaurus, meaning 'near to reptile'.
2	Charles Darwin was born in Shrewsbury, England on 12th February, 1809.
3	Every living organism has evolved from a bacterium which lived billions of years ago.
4	'The survival of the fittest' means that the best adapted organisms are able to survive.
5	All living things pass on their genetic code through reproduction.



Key Investigations/Questions

1	How has the work of Anning and Darwin informed our understanding of evolution?
2	How have organisms changed through natural and artificial selection?
3	How do organisms adapt and evolve to survive?