

PEMBRIDGE CE PRIMARY SCHOOL LEARNING JOURNEY KEY

Pembridge is a school where we encourage everyone to be inspired through faith in God and to live by Christian values so that our teaching and learning is of the highest quality, our whole community flourishes and we reflect all that is worthy of praise.

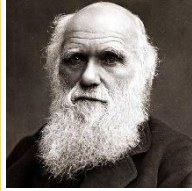
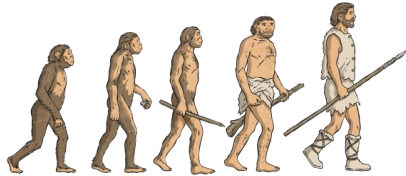
SUBJECT: Science

YEAR: B

TERM: Summer

YEAR GROUPS: 5/6

KEY QUESTION: Why can't I roll my tongue?

Question	Vocabulary to use	Information which will help me		Can I...?
What is the theory of evolution?	adaptation adaptive characteristics classification		Offspring Animals and plants produce offspring that are similar but not identical to them. Offspring often look like their parents because features are passed on. Variation In the same way that there is variation between parents and their offspring, you can see variation within any species, even plants.	Explain what evolution is and how the ability to adapt makes the survival of a species much more likely?
How do fossils provide evidence for evolution?	environment evolution extinction fossils	Fossils are the preserved remains of ancient animals and plants. They show us how organisms looked millions of years ago and prove how living things have evolved.	Charles Dawin was a scientist whose observations led him to the theory of evolution by natural selection. This meant that the organisms which were best able to adapt to their environment, would be the ones most likely to survive. 	Describe the stages of fossil formation and the importance of the fossil record in adding to our knowledge and understanding of evolution?
What are the different animal kingdoms?	fossil record geological record habitat inheritance		An example of natural selection: fossils show that giraffes used to have shorter necks but these have evolved becoming longer to enable them to reach the higher branches of trees. 	Classify vertebrates according to their features and show an understanding of animal kingdoms?
Which organisms lived during each era of time?	invertebrates natural selection offspring organism	Evolution is the gradual process by which living organisms have developed from earlier forms over millions of years. Even today, living things continue to evolve. 	Adaptive Traits Characteristics that are influenced by the environment the living things live in. These adaptations can develop as a result of many things, such as food and climate.   Inherited Traits Eye colour is an example of an inherited trait, but so are things like hair colour, the shape of your earlobes and whether or not you can smell certain flowers.  	Describe extinction and its causes and demonstrate knowledge of the sequence of evolution and of geological eras?
What impact have humans had on plants and animals in the past and what impact are they likely to have in the future?	species trait vertebrates variation			Discuss and identify the factors that help humans to survive and show n understanding of the threats to different species?