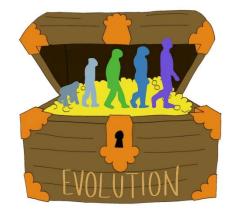


Year 6-Evolution

Term:	Spring 2	
Subject focus:	Science and Design Technology	
Non-Fiction:	Biography	
Fiction:	Narrative with dialogue	



Concepts		
Science	Design Technology	
Nature	Innovate/Technique/Evaluate	

This term, pupils will begin by exploring and making comparison between the current world with pre-historic period including an understanding that the world was once a super continent called the 'Pangea', through the study of fossils. The children's knowledge of the different continents in the world will support their understanding of what the landmass was like millions of years ago, and how that compares to now. They will also come to this unit with a good understanding of the layers of the earth and how natural disasters, such as earthquakes and volcanoes occur.

By analysing the advantages and disadvantages of specific adaptation, the children will further explore how animals and plants have adapted to suit their environment in different ways and how this may lead to evolutionary changes. Children's exploration into animals' adaptation, including those of prehistoric creatures, builds upon knowledge gained in topics such as *Into the Woods, In the Night, Saving Planet Earth* and *Desert Survival*.

They will look into the work of famous palaeontologists such as Mary Anning and Charles Darwin, and discuss how their work has contributed to modern science.

The D&T unit within this topic gives the children the opportunity to look at how insects and animals have been used in the past to embellish or adorn items of clothing or jewellery. Building on prior skills, the children will learn the skill of applique to create a small accessory, such as a brooch, inspired by Victorian insect jewellery.

Science National Curriculum				
		Year 6 Science Evolution and Inheritance Foundation subject Knowledge and skills		
 Know that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents Know that traits that are passed from one generation by the next, and know that some inherited characteristics may vary Know how animals and plants are adapted to suit their environment in different ways Know how random mutations may or may not be passed from one generation to the next, and how this process results in variation Know that adaptation of plants and animals to suit their environment may lead to evolution Know that if traits are advantageous to a species, they may be passed on and that evolution can occur Know about mutations, and how external factors can affect the evolution of a species Know about prehistoric periods and the animals/dinosaurs that lived on earth at that time Know theories linked to the extinction of dinosaurs 				
How can we inquire into this scientific concept	 Identify ways in which families or groups of people have some similar or shared characteristics Identify advantageous traits of species and sequence description of evolutionary processes Know how the fossil record provides evidence 			

Know how they are adapted to their environment

	Compare how some living things are adapted to survive in extreme conditions				
	Analyse the advantages and disadvantages of specific adaptations				
How this	Learn more about evolutionary scientists				
effects	• Know the work of Carl Linnaeus and that he divided animals into 6 classes: mammals, birds, amphibians, fish, insects and worms				
today's					
world					
 Know that living things have changed over time and that a number of factors can affect a species' evolution Know the work of palaeontologists and how they have developed understanding of evolution 					
					Know the work of famous palaeontologist Mary Anning
	Know what species of animals are descendants of dinosaurs				
How can we Know how humans have evolved over time, and how human behaviour can affect change in species over time					
apply what • Know about human adaptations which allow us to thrive and consider some impacts of human behaviour on other species					
we know to	Know the impact that humans are having on the planet and the effect that this is having on animals				
think about	Know what conservation is and how it attempts to keep animals from becoming extinct				
the future?	Know what we can do as global citizens to help the prevention of animals becoming extinct				
Design Technology					
	Year 6				
	Design Technology				
	Appliqué				
Year 6	Explore the work of designers who use applique in their work				
	Understand how applique is applied and the effect it has				
Understand the different techniques of using applique					
	Explore the different techniques used in applique				
	Design a product which incorporates the use of applique to embellish				
	Use techniques to make designed product				
	Explore and evaluate end product against design criteria				

Writing Outcomes				
Non-Fiction	Fiction			
Write about the life and work of Charles Darwin/Mary	Text: The Lost World (extract)			
Anning	Continue writing from the known extract, including the use			
	of reported and direct speech to move the story on			