



Shadsworth Junior School



Curriculum

Year 6 Scheme of Work for Science

Term: Summer One		Topic: Science- Evolution and Inheritance
Key Skills and Knowledge:		
<u>Evolution and Inheritance</u> Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	<u>Working Scientifically</u> Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations. Identify specific evidence that has been used to support or refute ideas of arguments.	
Reading and Writing Opportunities (Long and Short Activities)		
Creative Ideas and Hooks		
Write a fact file about "Treacher Collins Syndrome" Research Charles Darwin and create a fact page about his theory of evolution. Write a balanced argument considering the differing views regarding evolution. Write an information text about fossils. Research how plants and animals have adapted over time, create PowerPoint presentation.	Learning Challenge Question, "Have we always looked like this?" WOW – Watch an extract from Planet of the Apes and consider how realistic it could be. Children to bring in photographs of themselves and family members, to look for similarities in appearance: eyes, hair, nose, forehead.	
Links to PSHCE, Equality and British Values Work		
Respecting differences What it means to be different Equality and Diversity Tolerance		
Key Vocabulary:	Resources Available / Visits/Visitors	Useful Websites:
Evolution, inheritance, variation, fossils, off spring, adaptation, DNA, fossils, Treacher-Collins syndrome, environment, habitat,	Wonder by Natalie Merchant book and PowerPoint resources. Science/Art link portraits / photographs of different family members combined. What are the similar features between you and a relation? eyes, nose, forehead, hair	https://www.bbc.co.uk/guides/z9qs4qt https://www.youtube.com/watch?v=3rkGu0BItKM Pre-Learning: Life cycle of plants, animals and humans