Buglawton Primary School

Be the Best We Can

Topic: Evolution and inheritance

Subject: Science

Year: 6

Term: Spring

What should I already know?

- Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Recognise that environments can change and that this can sometimes
 pose dangers to living things.

What will I know and by the end of the unit?

- 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.

What will I be able to do by the end of the unit?

- Can explain the process of evolution.
- Can give examples of how plants and animals are suited to an environment.
- Can give examples of how an animal or plant has evolved over time e.g. penguin, peppered moth
- Give examples of living things that lived millions of years ago and the fossil evidence we have to support this.
- Can give examples of fossil evidence that can be used to support the theory of evolution.
- Can identify characteristics that will make a plant or animal suited or not suited to a particular habitat.
- Can link the patterns seen in the model to real examples
- Can explain why the dominant colour of the peppered moth changed over a very short period of time

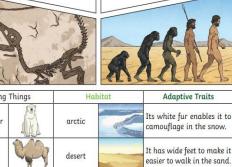
offspring	The young animal or plant that is produced by the reproduction of that species. This is when <u>characteristics</u> are passed on to <u>offspring</u> from their parents.		
inheritance			
variations	The differences between individuals within a species.		
characteristics	The distinguishing features or qualities that are specific to a species.		
adaptation	An adaptation is a trait (or characteristic) changing to increase a living thing's chances of surviving and reproducing.		
habitat	Refers to a specific area or place in which particular animals and plants can live.		
environment	An environment contains many habitats and includes areas where there are both living and non- living things.		



To look at all the planning resources linked to the Evolution and Inheritance unit, <u>click here</u>.

Key Vocabulary		Fossils are t	
evolution	Adaptation over a very long time.	and plants.	
natural selection	The process where organisms that are better adapted to their environment tend to survive and produce more offspring.	know how p to look mill is proof	lion
fossil	The remains or imprint of a prehistoric plant or animal, embedded in rock and preserved.	Aria	0
adaptive traits	Genetic features that help a living thing to survive.		ET -
inherited traits	These are traits you get from your parents. Within a family, you will often see similar traits, e.g.	Living Thi	
M	curly hair.	polar <mark>bea</mark> r	
	Fossils of giraffes from millions of years ago show that they used to have shorter necks. They	camel	20
	have gradually evolved through natural selection to have longer necks so that they	cactus	
in she we from a	can reach the top leaves on taller trees.	toucan	

e preserved remains, or s, of ancient animals Fossils let scientists nts and animals used ins of years ago. This hat living things have evolved over time.



It stores water in its stem

Its narrow tongue allows

it to eat small fruit

and insects.

desert

rainforest

Agreed Real Life Outcome:

Design a new plant or animal to live in a particular habitat.

