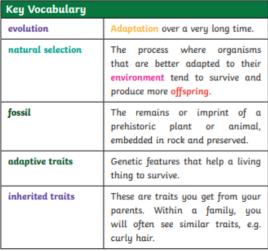
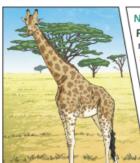
Evolution and Inheritance Year 6

Key Vocabulary	
offspring	The young animal or plant that is produced by the reproduction of that species.
inheritance	This is when characteristics are passed on to offspring from their parents.
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, click here.





Natural Selection

Fossils of giraffes from millions of years ago show that they used to have shorter necks. They have gradually evolved through natural selection to have longer necks so that they can reach the top leaves on taller trees.



Adaptive Traits

These

Characteristics that are influenced by

the environment the

living things live in.

can develop as a result

of many things, such

as food and climate.

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.



Habitats

shelter,

should provide

enough space and

plenty of food.

water,

Variation

offspring,

even plants.

In the same way

is

that there





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.



Environments A good habitat

There are many types of environment around the world. Polar regions, deserts, rainforests, oceans, rivers, and grasslands are all environments.

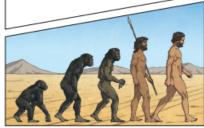




Fossils are the preserved remains, or partial remains, of ancient animals and plants. Fossils let scientists know how plants and animals used to look millions of years ago. This is proof that living things have evolved over time.



Evolution is the gradual process by which different kinds of living organism have developed from earlier forms over millions of years. Scientists have proof that living things are continuously evolving - even today!



Living	Things	Habitat		Adaptive Traits
polar bear		arctic		Its white fur enables it to camouflage in the snow.
camel		desert	-	It has wide feet to make it easier to walk in the sand.
cactus	W	desert		It stores water in its stem.
toucan		rainforest		Its narrow tongue allows it to eat small fruit and insects.

LINKS TO PREVIOUS LEARNING				
Year R	Learnt that baby animals look like their parents			
Year 2	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.			
Year 4	Recognise that environments can change and that this can sometimes pose dangers to living things			