

Year: 5 Subject: Science Unit: Living things and their habitats/Animals inc humans

Overview:		
During this sequence of learning pupils will look at the differences in life cycles of a mammal, amphibian, insect and a bird and describe the life process of reproduction in some plants and animals. Pupils will also look at the changes as humans develop into old age.		
What should I already know?	Vocabulary:	
 Living things move, grow, consume nutrients and reproduce. A trout is a fish, a frog is an amphibian; a lizard is a reptile; a robin is a bird; a rabbit and a human 	life cycle	The series of changes in the life of an organism, including reproduction.
are both mammals. • Fish, amphibians, reptiles, birds and mammals all have internal skeletons and organs; and are	life span	The length of time a living things lives for.
 vertebrates (have a backbone). Fish have gills so they can breathe underwater and have scaly skin. 	embryo	An unborn or unhatched offspring which is developing.
 Amphibians begin their lives with gills but then develop lungs and breathe on land. Reptiles breathe air and have scaly skin. Birds have feathers and wings. 	womb	where offspring develop before they are born.
 Mammals have fur/hair and they feed milk to their young. Different parts of plants have one or more function. 	weaned	To get a young mammal used to food other than its mothers milk.
 Roots collect water and minerals from the soil, and hold the plant firmly in the ground. The stem holds up the plant and transports water and minerals from the posts to the other parts of 	adolescence	The period of time when a young person develops from a child into an adult.
 The leaves make food by trapping light and using its energy to turn carbon dioxide and water into 	metamorphosis	The process of changing into an adult form.
carbohydrates. • The function of a flower is for reproduction. What will I know by the end of the unit?	ρυρα	An insect in its inactive, immature form between a larva and an adult.
• The life cycle of a living thing is a series of stages of development starting with a fertilised egg in animals or a seed in many plants. It is known as a	larva	The active, immature form of an insect.
 In most mammals (e.g. humans or dogs) a fertilised egg develops 	chrysalis	A moth or butterfly at the stage of development when it is covered by a hard case.
in the womb into an embryo and is then born and fed on milk before it is weaned onto the	hatchling	A young animal that has recently hatched from an egg.
food that it is adapted to eat; it then develops to maturity in a period	fledgling	A young bird that has just left its nest.

