

## Year 4 – Summer 2 – Science – Pupil Knowledge Organiser

thrive, protecting biodiversity.



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What do I already know?		What am I learning now?			
<ul> <li>All living things do seven main processes (MRS GREN).</li> <li>Living things can be sorted or grouped based on things they have in common.</li> <li>Vertebrates are grouped into: mammals, fish, reptiles, amphibians and birds.</li> <li>Animals can be categorised as herbivores, carnivores, or omnivores.</li> <li>Plants can be categorised as flowering or non-flowering.</li> </ul>		<ol> <li>How can we group living things in different ways?</li> <li>What are classification keys?</li> <li>What living things can we find in our local environment?</li> <li>How can we use classification keys to identify living things in our local area?</li> <li>How might environments change and what negative impact can this have?</li> <li>How might environments change and what positive impact can this have?</li> </ol>			
Key Knowledge:	wledge: Key Knowledge:		Key Skills: Key Vocabulary		
Classification	Environmental Change	Working Scientifically			
Living things can be grouped based on their	Changes to an environment can be natural or human and have positive or negative effects.		classification	Sorting things into groups based on their similarities.	
characteristics.	Natural changes can be caused by: earthquakes, storms, flood, droughts,		herbivore	An animal that eats plants.	
Animals could be grouped based on their: diet, physical features or habitat.	wildfires and the changing seasons.		carnivore	An animal that eats meat.	
Plants could be grouped based on whether they are flowering or not.		Ask Questions	omnivore	An animal that eats both plants and meat.	
,		<u>-?</u>	vertebrates	Animals with a backbone or spine.	
Vertebrates Is it a mammal?	The state of the s	Conclusions	invertebrates	Animals without a backbone or spine.	
No Yes Does it have four legs?	Human actions which can negatively change the environment include: deforestation,	Enquiry	class	A group of living things with similar characteristics.	
Crocodile  No  Yes  Is it a carnivore?	pollution, urbanisation.	Evaluation	habitat	The place where an animal or plant lives and gets what it needs to survive.	
No Yes		Observe	environment	The surroundings or conditions in which a person, animal, or plant lives.	
A classification key is a tool to help us identify living things.		Communicate	biodiversity	The variety of living things in a particular area or ecosystem.	
Classification keys use simple questions based on characteristics to support with	Human actions such as habitat restoration and forming nature reserves positively change the environment.	Record/ Present	negative impacts	Harmful effects or consequences.	
identification.	They give living things what they need to		conservation	The protection and preservation of the natural world.	