Prior knowledge/key knowledge				
Year 4 prior knowledge	Chn have learnt to re can be grouped in a va Explore and use classif group, identify and na things in their local and	ication keys to help me a variety of living	Year: 6 Tei	
Microorganisms	Microorganisms are ve can only be seen using be found in and on ou water and on objects a Microorganisms are vi	ery tiny living things that g a microscope. They can r bodies, in the air, in around us. ruses, bacteria, moulds als (dust mites) and plants	Big Questions/ Challenging Perceptions Explore why the duck-billed platypus was so difficult to	
Carl Linnaeus			justify your own classification of	
The Linnaeus System	Living things can be classified by these eight levels. The number of living things in each level gets smaller until one animal is left in its species level. This is how a dog would be classified:			
Helpful and harmful microorganisms	Helpful: bacteria (cheese and yogurt), yeast quickly. (bread and wine), penicillium (antibiotics) Harmful: bacteria (salmonella –food poisoning), virus (e.g. chicken pox/flu), fungi (mouldy food). Harmful: bacteria		<i>α</i> υι <i>с</i> κιγ.	
Domain: Eukarya	Jackal, clownfish, cat, dog, ladybird, daisy, rabbit, fox			
Kingdom: Animals	Jackal, clownfish, cat, dog, ladybird, rabbit, fox			
Phylum: Chorodata	Jackal, clownfish, cat, dog, rabbit, fox		25	
Class: Mammals	Jackal, cat, dog, rabbit, fox			
Order: Carnivore	Jackal, cat, dog, fox		e XS	
Family: Canidae	Jackal, dog, fox Each group allows scientists to observe and			
Genus: Canis	Jackal, dog,	understand the characteristics of living thing more clearly. They group similar things		
Species: Lupus	dog	together then split the gr based on their difference		

Science Knowledge Organiser r: 6 Term: 3 Topic: Living Things & Their Habitats

Focus



	Vocabulary			
	Bacteria	A single-celled microorganism.		
ie	Microorganism	An organism that can only be seen using a microscope, e.g. bacteria, mould and yeast.		
0	Microscope	A piece of equipment that is used to view very tiny (microscopic) things by magnifying their appearance.		
n f	Species	A group of animals that can reproduce to produce fertile offspring.		
!	Characteristics	Special qualities or appearances that make an individual or group of things different to others.		
,	Classify	To sort things in to different groups.		
	Taxonomist	A scientist who classifies different living things in to categories according to their similarities and differences.		
	Кеу	A series of questions about the characteristics of living things. A key is used to identify a living thing or decide which group it belongs to by answering 'yes' or 'no' questions.		
	Key skills /investigative focus			
	Key Skill	Use keys to identify animals and plants in the school habitat and carry out research of other habitats and decide where they belong in the classification system		
gs	Investigative	Plan different types of scientific enquiries to answer questions, including recognising and		

answer questions, including recognising and controlling variables where necessary (mouldy bread).