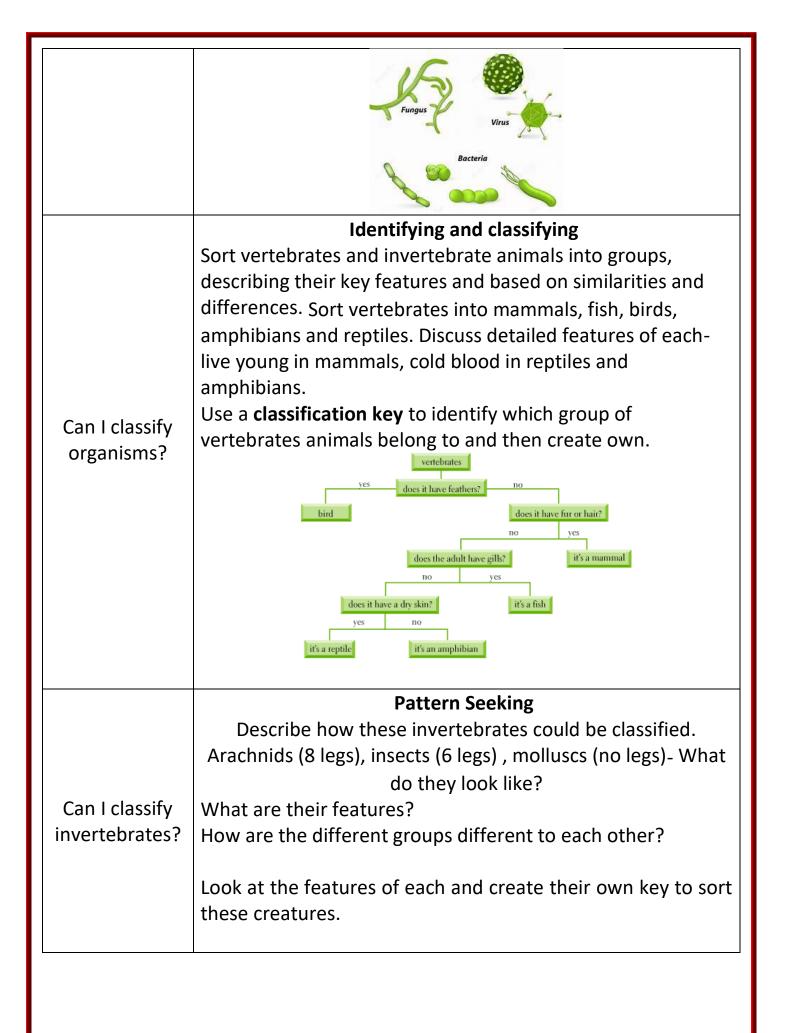
Subject	Term	Unit		Intent	HII Primary	
Science- Year	Autumn 1	Living things and		Interweaving knowledge and		
6	6 their habitats enquiry to discover the world around us.					
	Prior knowledge			National Curriculum		
<ul> <li>recognise that living things can be</li> </ul>		<ul> <li>describe how living things are</li> </ul>				
grouped in a variety of ways		classified into broad groups				
<ul> <li>explore and use classification keys</li> </ul>			according to common			
to help group, identify and name a			observable characteristics and based on similarities and			
variety of living things in their local				differences, including		
and wider environment				microorganisms, plan		
<ul> <li>recognise that environments can</li> </ul>				animals		
change and that this can sometimes pose dangers to living things			•	give reasons for class	ifying	
pose dangers to inving trinigs			plants and animals based on			
				specific characteristic	S	
What?		To learn how living things are categorised. They will look at				
		features of animals in order to classify them correctly.			-	
Why?		To enhance their knowledge of animal classification and with				
			of different species. This will link to the			
How?		topic of evolution. Through observation and research.				
	111008					
		Vocabu	larv			
Adapta	ation A	A change in structure or function that improves he chance of				
		survival for an animal or plant within a given environment.				
Carniv		An animal that eats meat.				
Environment		All the circumstances, people, things and events around them that influence their life.				
		A process of change that takes place over many generations,				
Evolu	tion du	during which species of animals, plants, or				
		insects slowly change some of their physical characteristics.				
Food Chain		A series of living things that are linked to each other because each thing feeds on the one next to it in the series.				
Habitat		The natural environment in which an animal or plant normally lives or grows.				
Herbivore		An animal that only eats plants.				
Inverte	brate	A creature that does not have a spine, for example an insect,				
mverte	W	worm or octopus.				

Microhabitat	A small part of the environment that supports the habitat such as a fallen log in a forest.				
	A very small living thing that you can only see if				
Microorganis	you see a microscope.				
Mini Beast	A small invertebrate such as an insect or spider.				
	Person or animal that eats all kinds of food including				
Omnivore	meats and plants.				
Organism	A living thing.				
Predator	An animal that kills and eats other animals.				
Prey	An animal hunted or captured by another for food.				
i i cy	A class of plants or animals whose members have the same				
Species	main characteristics and are able to breed with each other.				
Vertebrate	A creature which has a spine.				
	Learning				
Objective	Learning				
	Ideas over Time				
	Research the work of Carl Linnaeus				
	Classification key				
	did it revolutionise the understanding of living things?				
	Science KS2: The work of Carl Linnaeus - BBC Teach Use the clip to				
Can I explain the	introduce how Carl Linnaeus classified animals. Look at different Latin				
impact of Carl	names for common animals? Talk about Genus and Species e.g. Homo				
Linnaeus' and	sapiens, Ratus ratus.				
classification?	How did he develop his system?				
	How was his system ordered?				
	How did his system work?				
	Why was his system useful?				
	Observation over time				
	• Microorganisms are very tiny organisms where a microscope has to				
	be used to see them- use online images.				
Com Lourslain	• Examples of <b>micro-organisms</b> include dust mites, bacteria and fungi,				
Can I explain	such as mould.				
what a	Some <b>microorganisms</b> can be helpful in certain situations. Others can				
micro-organism	be harmful and spread needs to be controlled or contained.				
is?	Describe how microorganisms could be classified.				
	Good microorganism—yeast in baking or harmful infectious diseases.				
	<ul> <li>What do they look like?</li> <li>What are their features?</li> </ul>				
	<ul> <li>What are their features?</li> <li>How are the different groups different to each other?</li> </ul>				
	· now are the universiting roups universitie to each other?				



	Invertebrate Animals
	legs no legs
	S pairs of more than 3 or antennae or legs pairs of legs tentacies tentacies
	no antennae (arachnids)     antennae (crustscians)     soft body (cridarians)     hard shell (molluscs)     long body (worms)     piny covering (echnoderms)     pinora       AccuTeach.com
	Add in other types of invertebrate for more able children.
	Observing over Time / Identifying and Classifying
	Use classification systems and keys to identify plants in the
Can I select the	local environment. Record these in a variety of ways
most	· Venn diagrams
appropriate	· Carrol diagrams
method to	· Tables
present my	· Classification key
findings?	Let the children look through leaf mold or under a stone. Use
	what they find and classify the invertebrates in their own
	way. Present their findings to the rest of the class.
	Research
	For example the platypus
	• The <b>platypus</b> is <b>hard to classify</b> because it is part mammal
	and part reptile.
	• It lays eggs, just like reptiles do, but it has fur and he is
	warm-blooded.
Can I explain	Bats
why some	• Bats are mammals because they are warm-blooded and
organisms are	they have fur.
more difficult	They also give milk to their babies. But bats have wings that
to classify?	they use to fly.
	• Other mammals such as flying squirrels just glide.
	Explain why based on characteristics and similarities and
	differences. The children can research other animals which
	are hard to classify and explain why they are. E.g. a
	pangolin.
	They could make up their own animals which would be hard
	to classify based on what they have learnt. Record the
	reasons why they are hard to classify.

Websites

## Science KS2: The work of Carl Linnaeus - BBC Teach

Year 6 Classification (4 fully resourced lessons) | Teaching Resources (tes.com) Living things and their habitats: Year 6 (Classification) | Lesson Plans for Teachers | Young People's Trust For the Environment (ypte.org.uk) What is classification? - BBC Bitesize



## Golden Thread Animals and their habitats