

Inskip St Peter's C.E. Primary School Knowledge Organiser

Subject: Science		Years: 5 & 6		Area: Classification	
What should I already know?		What skills will I learn?		Vocabulary	
<p><i>Pupils should build on their learning about grouping living things in Year Four by looking at the classification system in more detail.</i></p> <p><i>The children have previously studied Sustainability and completed a Life Cycle Assessment.</i></p> <p><i>They have addressed themes on humans' environmental impact on nature.</i></p>	<ul style="list-style-type: none"> ▪ Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals. ▪ Give reasons for classifying plants and animals based on specific characteristics. ▪ Living things can be grouped into micro-organisms, plants and animals. ▪ Vertebrates can be grouped as fish, amphibians, reptiles, birds and mammals. ▪ Invertebrates can be grouped as snails and slugs, worms, spiders and insects. ▪ Plants can be grouped as flowering plants (incl. trees and grasses) and non-flowering plants (such as ferns and mosses). ▪ Find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification. 	<p>characteristics</p>	<p>Special qualities or appearances that make an individual or group of things different to others.</p>		
		<p>classify</p>	<p>To sort things into different groups.</p>		
		<p>taxonomist</p>	<p>A scientist who classifies different living things into categories.</p>		
		<p>key</p>	<p>A key is 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.</p>		
		<p>Classification groups</p>	<p>Domain, Kingdom, Phylum, Class, Order, Family, Genus, Species.</p>		
Resources					
<ul style="list-style-type: none"> ▪ Animal classification activity from the EMTAS website. ▪ Animal classification game from the PBS Learning Media website. ▪ Species discovery keys and classification resource from Arkive on the TES resources website. -Video clips on classification from the BBC Bitesize website. -Bug Hunt activity on school grounds. (See Stem.org.uk) -Information about Carl Linnaeus can be found on the Natural History Museum website. -Lancashire Plans -Year 6 Super Sleuth 					

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	By the end of KS2
	<p>Be able to answer questions about:</p> <p>How many different animals/plants are there?</p> <p>How do scientists group these effectively?</p> <p>Are all plants and animals the same?</p> <p>How can we use the differences between animals to help us identify them?</p> <p>What if all the insects/mammals/microbes/birds died out?</p> <p>Who is Carl Linnaeus and what did he discover/create?</p>