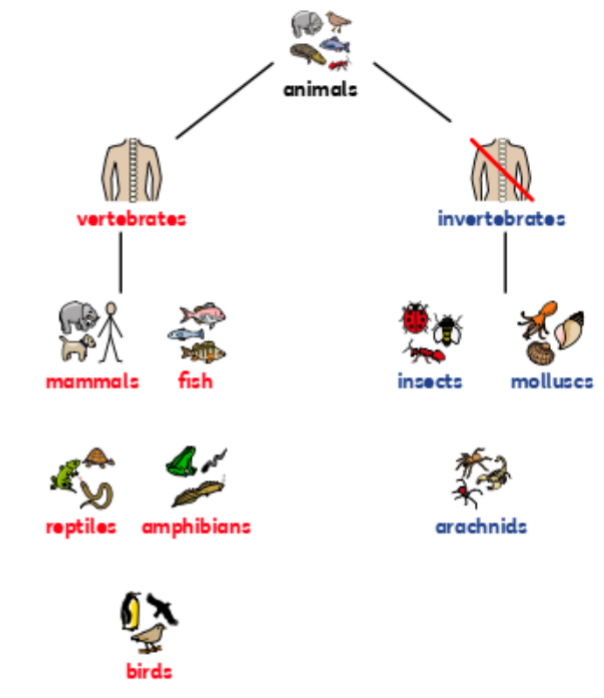


# St. Veronica's Primary School – Science Knowledge Organiser

| Topic: Animals including humans (animals)                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                      | Year: 1                                                                                                                                                                                                                                                                                                                                                 | Strand: Biology (Autumn)                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>What should I already know?</b><br>The names of some common animals.<br>The parts of the human body and how they are associated with each sense.                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                      | <b>Diagram</b><br>                                                                                                                                                                                                                                                    |                                                                                                                            |
| <b>What will I know by the end of the unit?</b>                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | <b>What do animals eat?</b><br>Animals that only eat meat (other animals) are called <b>carnivores</b> (examples include lions and eagles).<br>Animals that only eat plants are called <b>herbivores</b> (examples include cows and giraffes).<br>Animals that eat plants and meat are called <b>omnivores</b> (examples include humans and squirrels). |                                                                                                                            |
| What are <b>vertebrates</b> ?                                                                                                                                                                                                                                                                                                 | <b>Vertebrates</b> are animals that have a <b>backbone</b> .<br>There are five groups of <b>vertebrates</b> :<br>mammals<br>fish<br>birds<br>reptiles<br>amphibians                                                                                                                                                  | <b>Vocabulary</b>                                                                                                                                                                                                                                                                                                                                       |                                                                                                                            |
| What are mammals?                                                                                                                                                                                                                                                                                                             | give birth to live young<br>usually have hair or fur<br><b>warm-blooded</b><br>cannot breathe underwater<br>some common mammals are:<br><b>pets</b> such as dogs, cats, hamsters<br><b>farm</b> animals such as cows, sheep and horses<br><b>wild</b> animals such as foxes, hedgehogs, lions and giraffes<br>humans | backbone                                                                                                                                                                                                                                                                                                                                                | the column of small linked bones down the middle of your back                                                              |
| What are fish?                                                                                                                                                                                                                                                                                                                | have fins and scales<br>breathe underwater using <b>gills</b><br>lay eggs in water<br><b>cold-blooded</b><br>some common fish are salmon, cod and tuna                                                                                                                                                               | carnivores                                                                                                                                                                                                                                                                                                                                              | an animal that eats meat                                                                                                   |
| What are birds?                                                                                                                                                                                                                                                                                                               | <b>warm-blooded</b><br>have wings and beaks<br>have feathers<br>lay eggs<br>some common birds are ducks, chickens, penguins and pigeons                                                                                                                                                                              | cold-blooded                                                                                                                                                                                                                                                                                                                                            | a body temperature that changes according to the surrounding temperature                                                   |
| What are reptiles?                                                                                                                                                                                                                                                                                                            | <b>cold-blooded</b><br>lay eggs<br>have scales<br>cannot breathe underwater<br>some common reptiles are snakes and lizards                                                                                                                                                                                           | environment                                                                                                                                                                                                                                                                                                                                             | all the circumstances, people, things, and events around them that influence their life                                    |
| What are amphibians?                                                                                                                                                                                                                                                                                                          | <b>cold-blooded</b><br>lay eggs<br>live on land and water - can breathe underwater through <b>gills</b><br>some common amphibians are frogs and toads                                                                                                                                                                | farm                                                                                                                                                                                                                                                                                                                                                    | an area of land used to produce crops or to breed animals and livestock                                                    |
| What are <b>invertebrates</b> ?                                                                                                                                                                                                                                                                                               | <b>Invertebrates</b> are animals that do not have a <b>backbone</b> .<br>They include:<br>insects such as flies, ladybirds and bees<br>arachnids such as spiders<br>molluscs such as snails                                                                                                                          | gills                                                                                                                                                                                                                                                                                                                                                   | the organs on the sides of fish and other water creatures through which they breathe                                       |
| <b>Investigate!</b><br>use observations in the local environment to compare animals or through videos and photographs<br>describe how to identify and group animals<br>group animals according to what they eat<br>research how to take care of animals taken from the local <b>environment</b> and how to return them safely |                                                                                                                                                                                                                                                                                                                      | herbivore                                                                                                                                                                                                                                                                                                                                               | an animal that only eats plants                                                                                            |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | invertebrate                                                                                                                                                                                                                                                                                                                                            | a creature that does not have a spine, for example an insect, a worm, or an octopus                                        |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | omnivore                                                                                                                                                                                                                                                                                                                                                | person or animal eats all kinds of food, including both meat and plants                                                    |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | pet                                                                                                                                                                                                                                                                                                                                                     | a tame animal kept in a household                                                                                          |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | temperature                                                                                                                                                                                                                                                                                                                                             | a measure of how hot or cold something is                                                                                  |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | vertebrate                                                                                                                                                                                                                                                                                                                                              | a creature which has a <b>backbone</b>                                                                                     |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | warm-blooded                                                                                                                                                                                                                                                                                                                                            | a fairly high body <b>temperature</b> which does not change much and is not affected by the surrounding <b>temperature</b> |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                      | wild                                                                                                                                                                                                                                                                                                                                                    | animals or plants that live or grow in natural surroundings and are not looked after by people                             |

