

Science – Year 1: Spring 1

Science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments

Topic: Animals including Humans

Strand: Biology

What I already know

- The key features of the life cycle of a plant and an animal.
- Some environments that are different to where we live.

Vocabulary

backbone	the column of small linked bones down the middle of your back
carnivores	an animal that eats meat
cold-blooded	a body temperature that changes according to the surrounding temperature
environment	all the circumstances, people, things, and events around them that influence their life
farm	an area of land used to produce crops or to breed animals and livestock
gills	the organs on the sides of fish and other water creatures through which they breathe
herbivore	an animal that only eats plants
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 backbone
warm-blooded	a fairly high body temperature which does not change much and is not affected by the surrounding temperature
wild	animals or plants that live or grow in natural surroundings and are not looked after by people

What will I know by the end of the unit?

What are vertebrates?	<p>Vertebrates are animals that have a backbone.</p> <p>There are five groups of vertebrates:</p> <ul style="list-style-type: none"> • mammals • fish • birds • reptiles • amphibians
What are mammals?	<ul style="list-style-type: none"> • give birth to live young • usually have hair or fur • warm-blooded • cannot breathe underwater • some common mammals are: <ul style="list-style-type: none"> • pets such as dogs, cats, hamsters • farm animals such as cows, sheep and horses • wild animals such as foxes, hedgehogs, lions and giraffes • humans
What are fish?	<ul style="list-style-type: none"> • have fins and scales • breathe underwater using gills • lay eggs in water • cold-blooded <ul style="list-style-type: none"> • some common fish are trout, cod and tuna
What are birds?	<ul style="list-style-type: none"> • warm-blooded • have wings and beaks • have feathers • lay eggs • some common birds are ducks, chickens, penguins and robins
What are reptiles?	<ul style="list-style-type: none"> • cold-blooded • lay eggs • have scales • cannot breathe underwater • some common reptiles are snakes and lizards
What are amphibians?	<ul style="list-style-type: none"> • cold-blooded • lay eggs • live on land and water - can breathe underwater through gills • some common amphibians are frogs and toads