

Previous Knowledge

The names of some common animals.

Project Hook or 'Wow' memory

Animals to visit– KS1 had a wow day with reptiles and invertebrates

The key skills we want pupils to use during this topic:

Identify and classify - classify animals into mammals, fish, birds, reptiles, amphibians and vertebrates

Research – do all animals have the same senses as humans ?

Gather, record, sort and **present data** in a variety of ways to help in **answering questions**.

Key vocabulary

Invertebrates	Animals that do not have a backbone, they include insects, arachnids and molluscs
Backbone	The column of small linked bones down the middle of your back.
Cold-blooded	A body temperature that changes according to the surrounding temperature.
Warm-blooded	A fairly high body temperature which does not change much and is not affected by the surrounding temperature
Gills	The organs on the sides of fish and other water creatures through which they breathe
Mammals	Give birth to live young, are warm blooded, they breathe air and cannot breathe underwater. They feed on their mother's milk as babies.
Fish	Have fins and scales, they breathe underwater using gills. They lay eggs and live in water. They are cold blooded.
Amphibians	Are cold blooded and they lay eggs, usually in water. Amphibians live in water and on land. They are born with gills to breathe under water and later develop lungs
Reptiles	Are cold blooded, most reptiles lay eggs. Reptiles have scales on their skin and cannot breathe underwater– they breathe air.
Birds	Are warm blooded , they have wings and beaks, they have fathers and lay eggs

Learning Steps	Key Knowledge (answers)
Can you sort mammals, birds and fish (Identifying and classifying)	Mammals - give birth to live young, are warm blooded, they breathe air and cannot breathe underwater. They feed on their mother's milk as babies. Fish —have fins and scales, they breathe underwater using gills. They lay eggs and live in water. They are cold blooded. Birds are warm blooded , they have wings and beaks, they have fathers and lay eggs.
Can you sort reptiles and amphibians (Identifying and classifying)	Reptiles —Reptiles are cold blooded, most reptiles lay eggs. Reptiles have scales on their skin and cannot breathe underwater– they breathe air. Amphibians are cold blooded and they lay eggs, usually in water. Amphibians live in water and on land. They are born with gills to breathe under water and later develop lungs.
Can you identify the invertebrates? (Identifying and classifying) Group work	Invertebrate - Animals that do not have a backbone, they include insects, arachnids and molluscs. Slug, snails, butterflies, ladybirds, bees
Independently can you sort the animals into mammals, fish birds, amphibians, reptiles and invertebrates (insects) (Identifying and classifying)	Mammals– human, lion, mouse Amphibian– toad, dart frog, newt Fish– , butterfly fish, shark, yellow tang Reptile– lizard, snake, crocodile Bird– parrot, flamingo, magpie Invertebrates—butterfly, ladybird, bee
Do all animals have the same senses as humans? Over 2 weeks (Research)	Animals use their senses to find out about the world around them. Most have the same five senses as humans, but some have extra senses, such as ECHOLLOCATION. Hunting bats and dolphins make streams of clicking sounds, which spread out through the air or water. The sound vibrations bounce back off objects such as flying insects or shoaling fish. The hunter uses its sharp hearing to listen for the returning echoes. Many animals have far sharper senses than humans. Birds such as falcons have much sharper vision. Some insects can detect ultraviolet light. A bloodhound's nose is many times more sensitive than a human's. Bats, whales, and elephants can detect very high or low sounds that we cannot .

Statutory Requirements

I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.

I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets.

