



Marwell
Wildlife

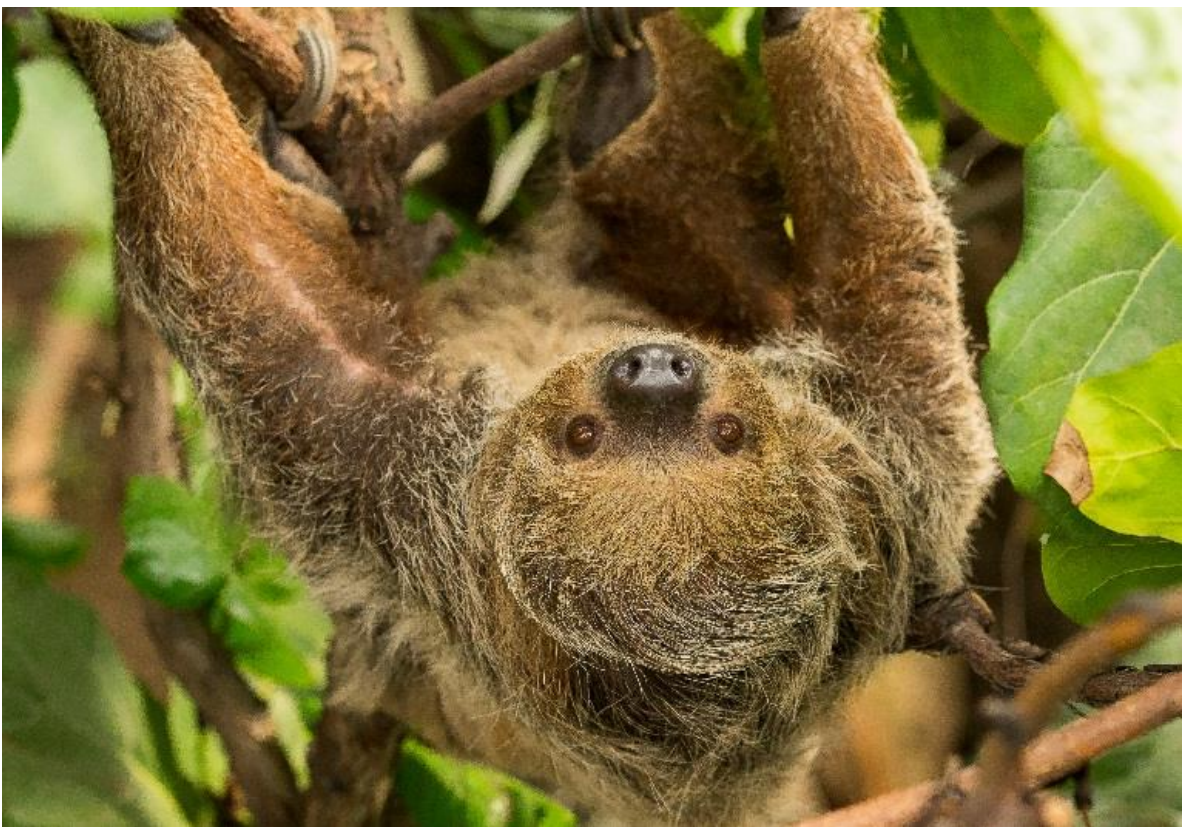
KS3 Adaptation

Adaptation Dominoes

Adaptation Dominoes

This classroom based activity consists of 15 domino cards to print out; each one with an animal photo on one half and the adaptations of a different animal on the other half, which need to be matched in turn. This could be played in groups and could be used as a starter or a plenary activity. Once all matched correctly, the dominoes should form a loop.

You may wish to print out 2 sets, divide your class into two groups and let them compete to finish the dominoes in the quickest time.



Curriculum Links

SCIENCE

Genetics and evolution

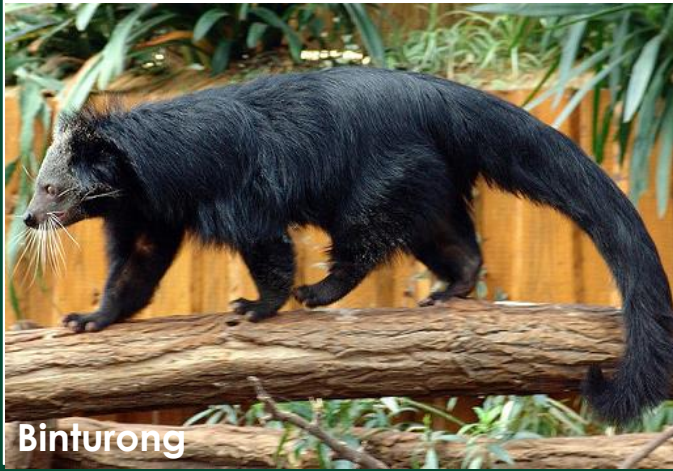
Inheritance, chromosomes, DNA and genes

- differences between species
- the variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection



Humboldt penguin

- I have small spots to camouflage in savannah grasses
- My long, slim legs help me run very fast
- I have a small head which helps me to be streamlined for speed
- My long tail helps me to change direction when I am chasing my prey



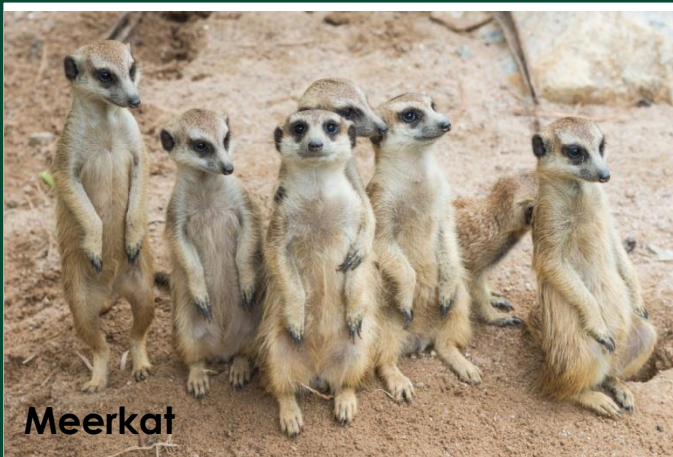
Binturong

- My wings are like flippers and help me swim
- I have waterproof feathers
- My body is a streamlined shape to help me swim through the water
- My mouth has special spines to hold the fish that I catch for food



Ostrich

- My fur is dark and shaggy. I have long white whiskers to help me to sense my rainforest home
- I have a long prehensile (grasping) tail which I use to help me as I walk high up through the trees
- I have flexible joints in my ankles and hips which helps me to climb down vertically from trees



Meerkat

- I am the fastest running bird
- My eyelashes are very long to help protect my eyes from dust
- My legs and neck are very long so I am very tall



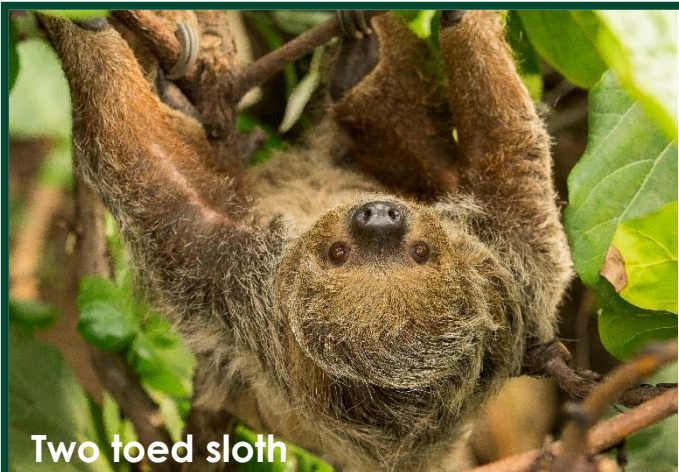
- I am a sandy brown colour
- I have dark patches around my eyes to protect them from the glare of the sun
- I have powerful claws to help me dig burrows



- My tongue is very long to help me reach food and it is blue
- My lips are very tough as I like to eat leaves off prickly trees
- I have very long legs and a very long neck for reaching up into high branches



- I am not a reptile, amphibian, mammal or fish
- I have long legs to keep my body dry as I wade across my wetland habitat
- I often stand on one leg, which helps me to keep warm.
- I appear pink because of my diet of shellfish and algae.



- I am not a mammal, bird or fish
- I have a long and agile body, able to climb trees and swim
- Just like a snake, I use my forked tongue to help me sense my environment and locate prey



Madagascar tree boa

I am a herbivore, feeding on leaves, stems, flower buds and fruits

I have long, hard claws that I use to climb and hold on, when high up in the tree canopy

I have lots of thick hair on my body which is pointed downward, meaning rain water flows away from the body



Greater flamingo

- I have a dark brown patchy pattern to help me camouflage in the trees
- I have dry, smooth scales to help me slither along tree branches
- I can use my special tongue to 'taste' the air and sense my prey



Leaf-cutter ant

- I am an amphibian
- I might be small but I make a lot of noise! This helps me to call to other frogs in the area
- Females have a yellow throat and use this as a visual signal to other frogs that the territory is taken



Siamang

- I am light brown so that I am camouflaged
- I am very small but very strong
- I have sharp jaws to chew off pieces of leaves
- I am an insect



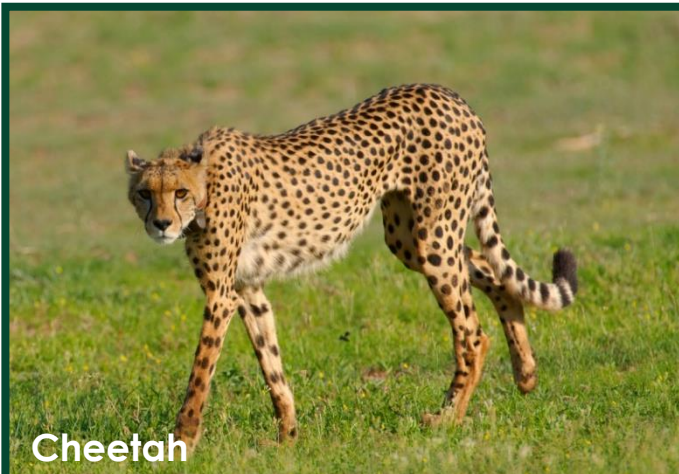
Snow leopard

- I spend most of my time up in the canopy of the forest
- My arms are much longer than my legs, which helps me to swing from branch to branch
- When I am on the ground I walk with my arms above my head to help me balance



Wrinkled hornbill

- I am camouflaged against the mountain where I live
- My paws are very wide which helps me to move across snow and over rocks
- I have a very long and fluffy tail that I use for balance and to keep my face warm when I am asleep



Cheetah

- I am not a mammal or a reptile
- I have a large beak with males' being topped with a structure called a 'casque'. This is used in lots of ways; to communicate, attract females and make my calls louder
- I don't need to drink as I get all the moisture I need from the juicy soft fruits that make up most of my diet