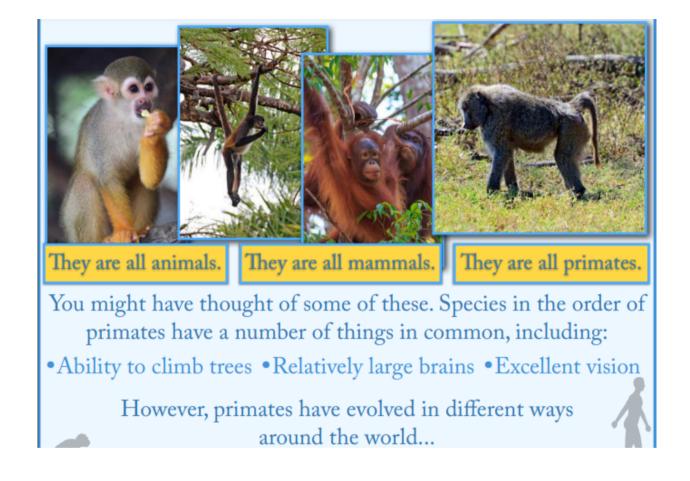


Year 6 Science

LO: To understand how humans have evolved over time, and how human behaviour can affect change in species over time.







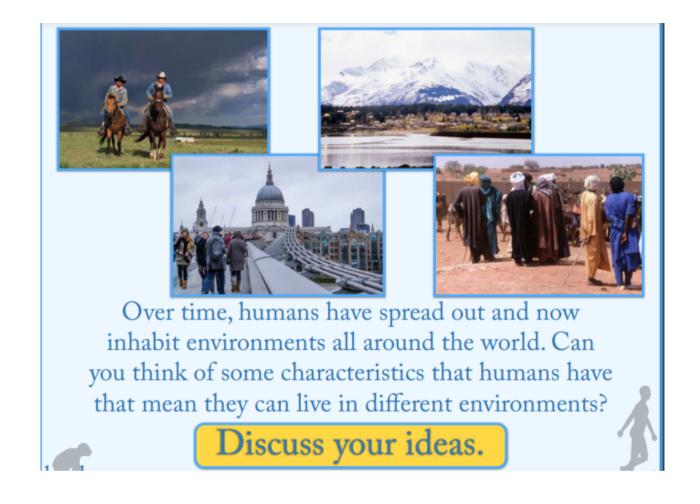
Spider monkeys have long limbs; they can grip vines and branches with their hands, their feet and even their tail!

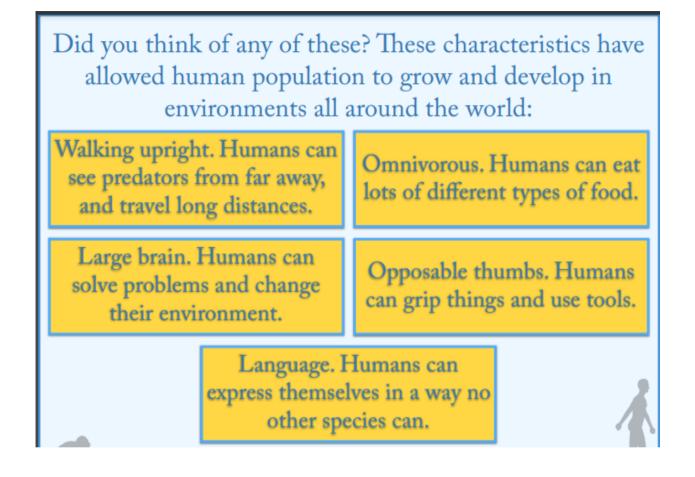
Baboons have adapted to environments with fewer trees and more grassland. They walk on all fours, using their knuckles.





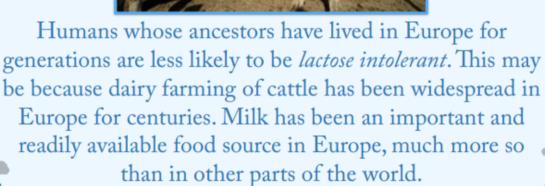


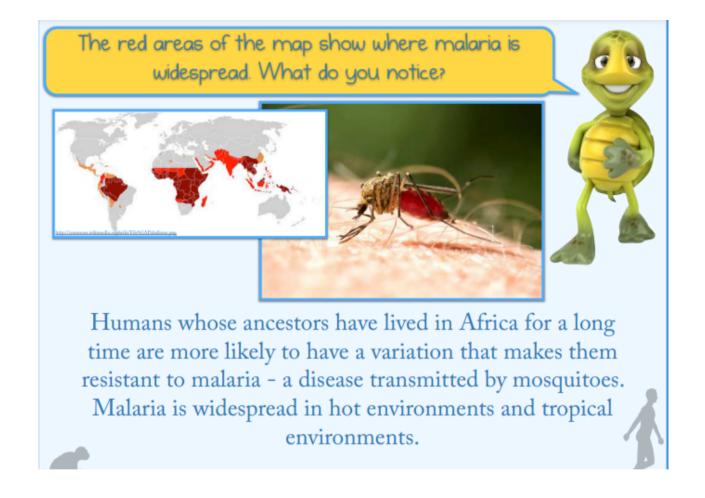


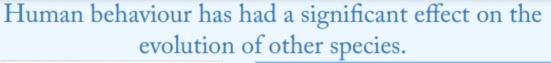


Did you know that external factors have led to some variation in humans in different parts of the world?











Humans have cut down lots of forests to make room for farm land. Many species of animals have had their habitats destroyed.

Humans have hunted elephants for their tusks. So many have been hunted and killed that now, elephants are an endangered species.



What might have happened to these species as a consequence of human behaviour? Discuss your ideas.



Species of birds, mammals, insects, amphibians and reptiles are all threatened by *deforestation*. For example, the stone curlew is under threat in Northern Ireland due to meadows being turned into farmland.

The average tusk size of African elephants is smaller now than in previous generations. This is due to elephants with large tusks being hunted for their ivory. More elephants with small tusks survived and reproduced, spreading this variation throughout the population.



Humans are also changing the characteristics of species of plants and animals through selective breeding and cross-pollination...



Farmers have developed chickens that grow bigger and quicker by a process called *selective breeding*. Larger chickens are selected for breeding for generation after generation.



Gradually, these characteristics have spread throughout the chicken population.



Different species of flowers are cross-pollinated to create new species. Humans have created several new varieties of tulip in this way.



Discussion Statements. Choose one of the statements and write a persuasive argument either for or against it.

Remember to give reasons for your ideas,PEE (Point, Evidence, Explain) and use persuasive language!

Humans are more important than other species.

Humans have a responsibility to protect endangered species.

There is lots of evidence all around us that helps explain the process of evolution.

Studying how species evolve is important.

Human activity on Earth is damaging environments and affecting the way species evolve