Evolution and Inheritance

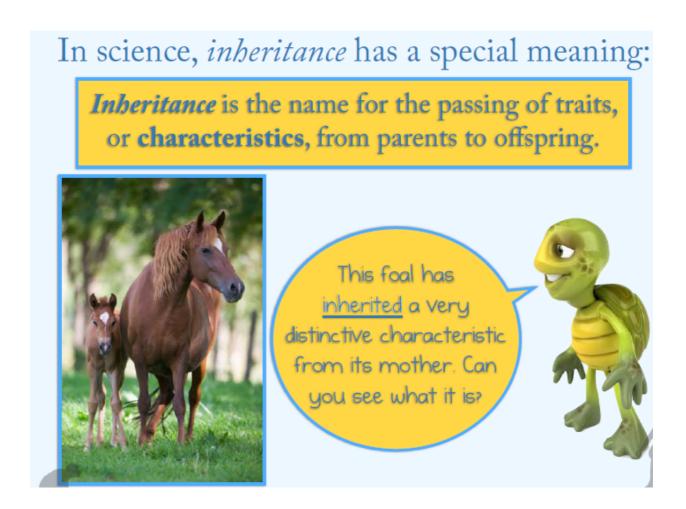
Learning Objective:

To recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.



Let's watch a short film about inheritance.





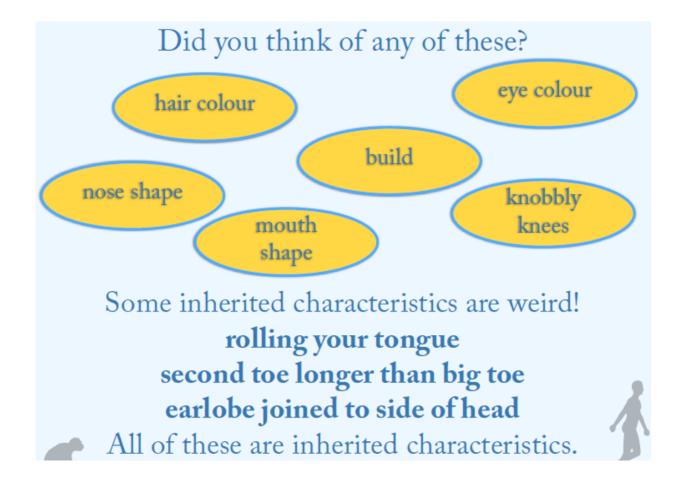
Did you see it?



The foal has **inherited** a distinctive white facial marking from its mother.









When we are talking about inheritance, the word variation has a special meaning:

Variation occurs in a species from generation to generation. Although an offspring will have some similar characteristics to its parents, it will also have many different characteristics. This is called variation.



This is a normal process that occurs in the life cycles of all plants and animals.

Here are just a few ways in which offspring may vary from their parents:



Sheep with white wool may occasionally produce offspring with black wool.



Corn from the same parent plant can have very different colours.



Occasionally, parents produce offspring with *albinism*, a disorder which is recognisable due to the lack of pigment in the skin.

Other variations are less visible. For example, offspring may have greater resistance to a disease than their parents.



