

Last week we learned about why we are all different through inheriting different characteristics from our parents BUT...



Consider this question, what problems would it cause? How would life be different? Would there be any advantages?
Jot down your thoughts.

Thursday 4th February 2021

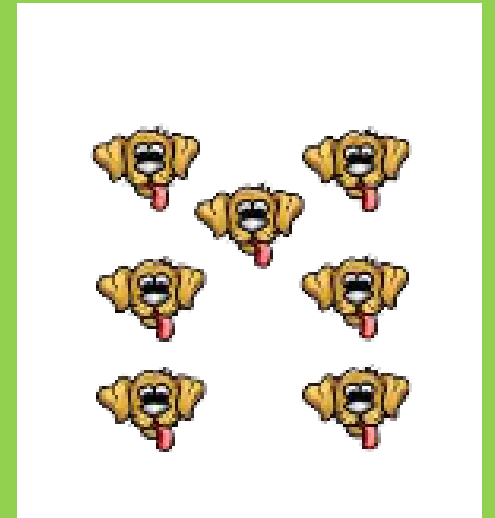
To recognise how organisms can be bred to select particular characteristics in their offspring.

Success Criteria

*I can give an example to describe how organisms might be bred together to produce offspring with particular characteristics.

*I can use the terms 'inheritance' and 'characteristics' correctly when talking about breeding and offspring.

*I can understand that the characteristics of the offspring come from the parents.



Look at these types of dog, what do you think their offspring would look like if they were to breed together? What would their offspring type be called?



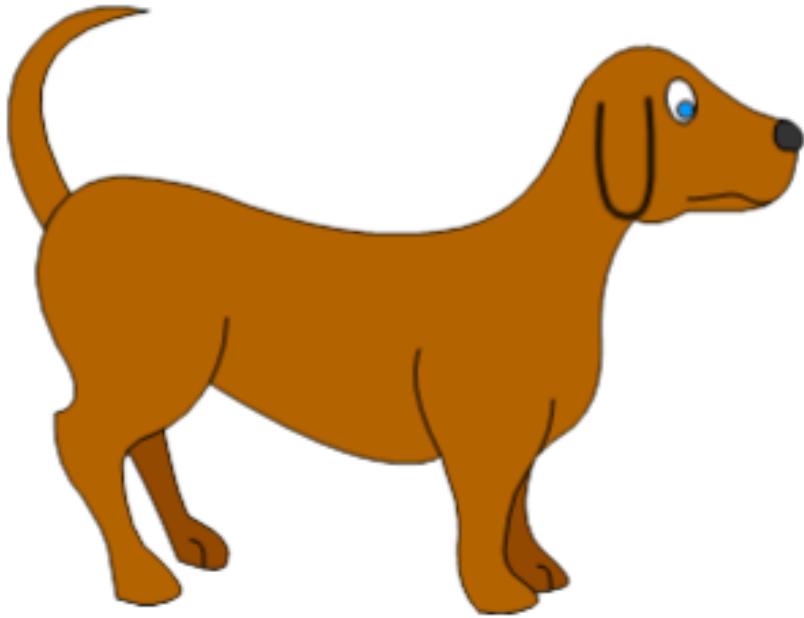
Labrador



Poodle



Labradoodle



A family I know wants a dog with a silky coat, that will play with their children and also help look after their sheep. They have other dogs that don't like small animals, so they want a dog that will scare them away.

Look at the information cards about different dog breeds.

Which two dogs would be best to breed together to make the right dog for the family?

Record the breeds you chose in your books, describe why you chose them and what characteristics you think the offspring will have. You could include pictures of the parent dogs and/or the offspring you think they would produce.

Extension:

What problems do you think may arise when breeding two dogs with very different characteristics?

Do you think you will always get the characteristics that you want in the offspring?

Could there be any disadvantages to breeding the offspring again and again?