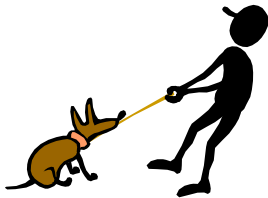


Unit/Topic of work: 9A Inheritance and Selection

Use the photo to show what you know about this topic.

The following questions will help, however you are free to include any other information that helps show your understanding.

- What characteristics do all dogs have in common?
- Which characteristics can help you to identify a particular breed?
e.g. Poodle – size, fur, shape, clipped
- Which of these characteristics could only have been inherited from their parents?
- Which of these characteristics could have changed because of the environment in which they live?
- How are characteristics inherited from parents?
- Which characteristics might help a dog to be better at doing a particular job?
e.g. border collie herding sheep – very fast, strong, agile
- All of the dogs in the picture are pedigree breeds. How does selective breeding help breeders ensure that their dogs maintain the breed standard?



Assessment criteria:

Level 4: Be able to identify characteristics that are inherited or environmental

Level 5: Explain how offspring inherit characteristics from their parents

Level 6: Describe some characteristics which are useful in a particular environment, and how these might be passed on

Level 7: Describe how selective breeding allows us to choose desirable features in offspring

(Tick the targets achieved and highlight the next step target)