

# SCIENCE

Skeleton and Muscles

Humans have a skeleton and muscles for support, protection and movement.

Watch this video clip to see how your skeleton and muscles work. You may want to watch it more than once.

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2-how-do-muscles-and-bones-work/zfgtscw>

When you have watched the clip, have a go at answering the questions on the next slide.



Activity 1 - Questions about the human skeleton. (All the information you need is in the video clip)

1. What do muscles and bones do?
2. Write down 2 things which we couldn't do without muscles and bones.
3. What are skeletons made of?
4. Where do some animals like crabs and lobsters have their skeletons?
5. How do our skeletons protect us?
6. How many bones does our skeleton have? Which is the largest bone? Which is the smallest bone?
7. What are our bones made from and why?
8. What does a skeleton need to be able to really move?
9. Where are your biceps and triceps?
10. Write down 3 things that our muscles help us to do.

# Session 2

Now that we have looked at the human skeleton and muscles, lets think about and explore other animals skeletons and muscles.



Things to think about while you are watching.

What she says about Billy's skeleton.

What she tells us about his skull, spine and jaw.

What does she say about his ribs?

How he moves and his strength

Why he needs strong muscles.

Watch this video where my friend Charlie talks about her snake, Billy.

<https://youtu.be/ihwvQot6TKk>

In this video, Mrs Potts talks about her dogs Bailey and Skye. Watch the video and think about these things.



What Mrs Potts tells us about their muscles and skeletons

What we find out about dogs' skulls, muzzle, heads, spine and ribs.

How dogs use their limbs, tail and feet.

[https://youtu.be/svUrn\\_DjN64](https://youtu.be/svUrn_DjN64)

Activity 2 : - Using the information from the videos complete the table to look at the facts we have learnt about the skeleton and muscles of a human, snake and dogs. I have started you off. I cant wait to see your completed tables so I can share them with Charlie and Mrs Potts. 😊

HUMAN	SNAKE	DOG
Humans have 4 limbs	Snakes don't have limbs	Dogs have 4 limbs