



Northcott KS4 Science

Every two weeks we will create learning activities to access at home around a science investigation. Pupils can choose from the activities below, or they can create their own and share their projects with their teacher or on twitter. We will be putting regular video updates on the schools website to give you some ideas to get you started. The investigations have been designed to be fun and hands-on, so give it a go! This week we will be looking at our skeleton.

The Human Skeleton

The human body is a wonderful thing! This investigation I want you to make your own skeleton out of things you find either outside or in the house. The human body has 206 bones so you don't have to make a skeleton with that many just make one with all the major bones you know. I would be very impressed if you pupils can find me lots of facts about the skeletons function (job) as well as what bones are made of!

Investigate

- 1) Do your research, find out some of the names for the major bones that make up the skeleton.
- 2) Estimate the sizes of the things you are using as the bones. For example which is the largest bone? (*whisper... its not the spine*).

Create

- 1) Create your skeleton using the things you have chosen to use.
- 2) Take a picture, or make a video with you discussing as many names of bones you can.
- 3) Make labels digitally or write them on some paper, attach them or place them near the correct bone.



Challenge

- 1) Make a power point about the human skeleton. Including functions, what bones are made of, how many bones are in hands and feet, what are the longest and shortest bones, as well as any fun facts.
- 2) Test yourself on the BBC quiz. <https://www.bbc.co.uk/bitesize/guides/zpkq7ty/test>
- 3) Exercise and consuming calcium is great for making our bones grow stronger. Can you try out different exercises and make a list of what bones are used for each exercise? (For example when throwing a ball, we use our spine, collar bone, humerus, radius and ulna).

Remember to check out the videos on the schools website. Looking forward to seeing and hearing about your findings!

Send your pictures, video or powerpoints to school via the school email:

northcott4parents@hotmail.com

or upload onto Twitter and tag @Northcottschool

