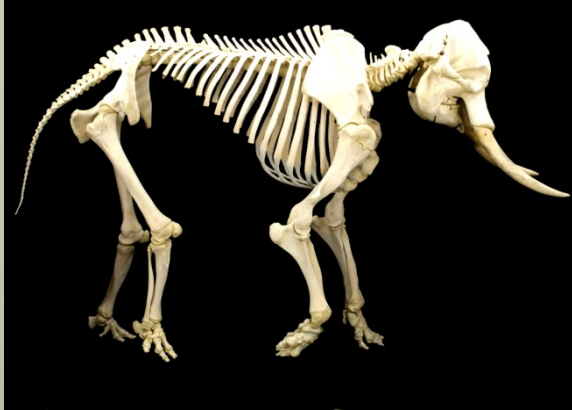


SKELTONS - SCIENCE



What is the purpose of a skeleton?



Think about the following:

- * **Why do we have a skeleton?**
- * **What would happen if we did not have a skeleton?**

Why do we have a skeleton?

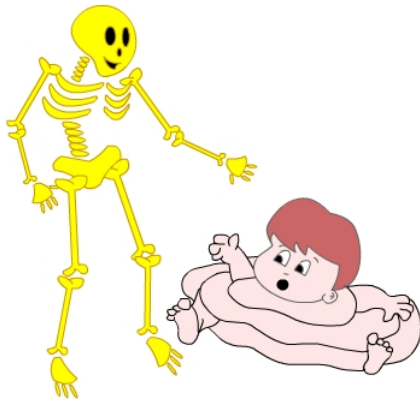
What would happen if we did not have a skeleton?

One of the main functions of a skeleton is to keep our body upright.

One of the functions of a skeleton is to support the body. If we didn't have a skeleton, we would be a big pile of skin on the floor!

What is a skeleton?

- A skeleton is what keeps us upright – without it we could be a big pile of skin and muscles on the floor.
- It keeps our insides safe and stops our brain, heart and organs from being damaged.
- Our muscles are attached to our skeleton to help us move around and to be able to bend.



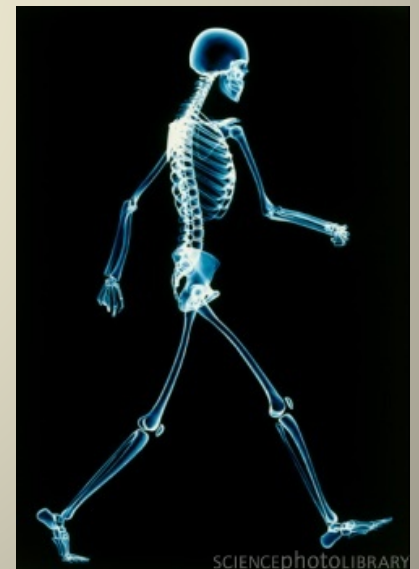
- This is what we would look like without a skeleton!

How bones grow.....

Babies have tiny hands, tiny feet and everything tiny! Slowly, everything grows as well as the bones!

Babies have 300 bones when they are born but some of these join together until there are only 206 bones!

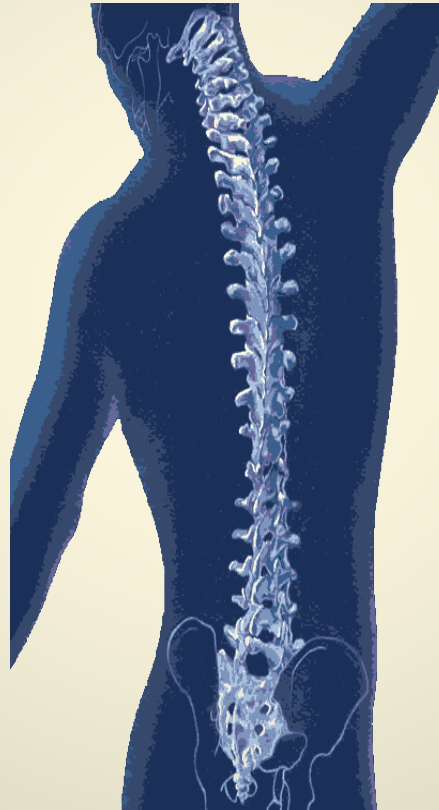
Once the bones are big enough, they stop growing and they never get any bigger.



Spines

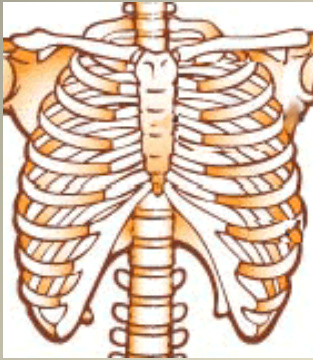
The spine starts under our skull and stops at our hips.

The spine has an important job to do – it carries information from our brain to the rest of our body so that we can move.



Spines let us twist and bend and keep upright.

The spine is made up of 26 little bones called vertebrae. We can touch them using our fingers.



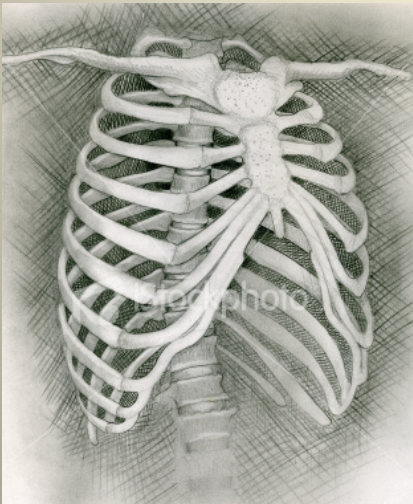
Ribs

Inside our bodies we have lots of important organs like our heart, lungs and liver. Ribs give our organs a cage to keep them safe.

Ribs come in pairs – like counting in 2's!

Most people have 12 pairs of ribs (24 altogether) but some people have more and some people have less!

Ribs are like a coat of armour that a knight would wear.

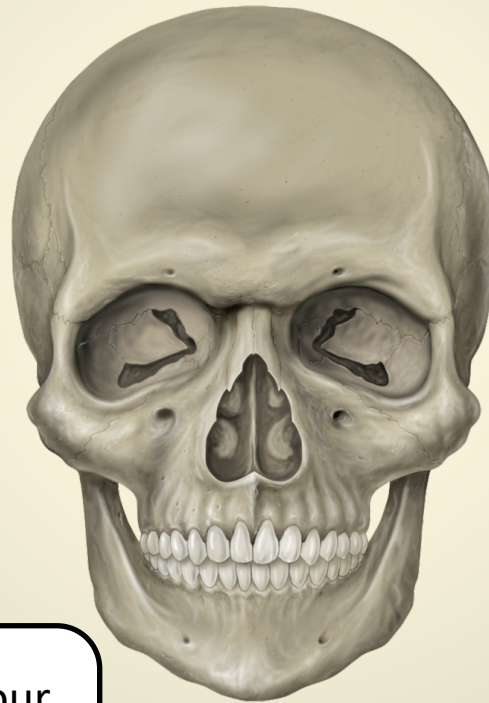


Did you know.....all of our ribs are attached to our spine.



Skulls

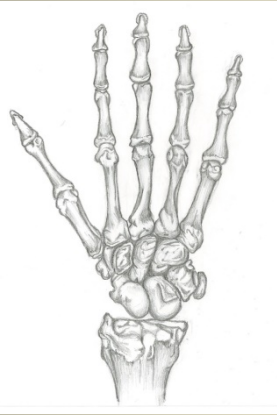
Skulls have a very important job – they keep our brains safe!



The only bone in our skull that moves is the jaw bone. That helps us to talk and eat.

Skulls also make up part of our face. Faces have 12 bones in them.

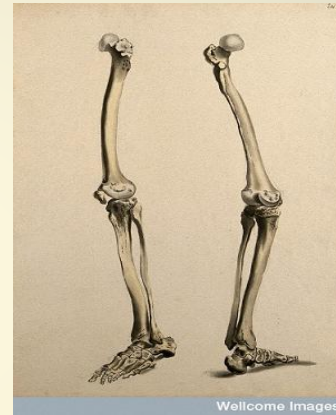
Arms and Hands



Fingers have joints to help them move and bend.

- When you pick up a pen or brush your hair you are using the bones in your arms and hands.
- The bones in our hands are very small but very important.
- In the wrists, hands and fingers there are 54 bones.

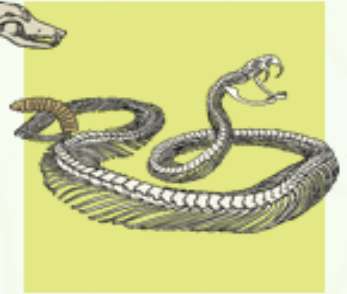
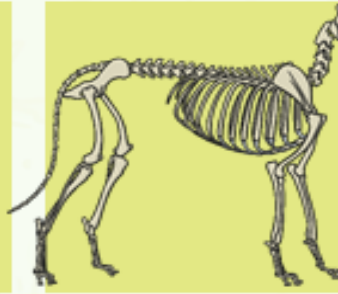
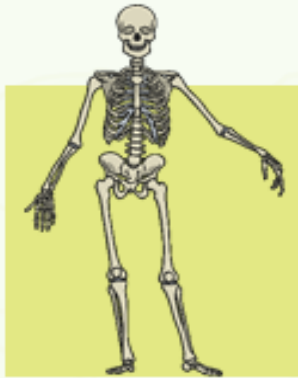
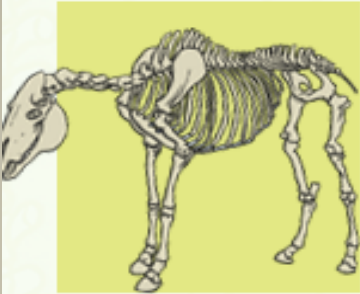
Legs and Feet



Without our toes we would not be able to balance and would fall over all the time.

- Legs are attached to the pelvis to help us move. Without the pelvis, our legs would not move.
- Leg bones are very big and strong to hold up our heavy bodies.
- Ankles connect our legs to our feet and let our feet bend so we can walk, run and jump.

Whose Skeleton???



human

dog

horse

snake

fish

Can you match the skeleton to the correct word?

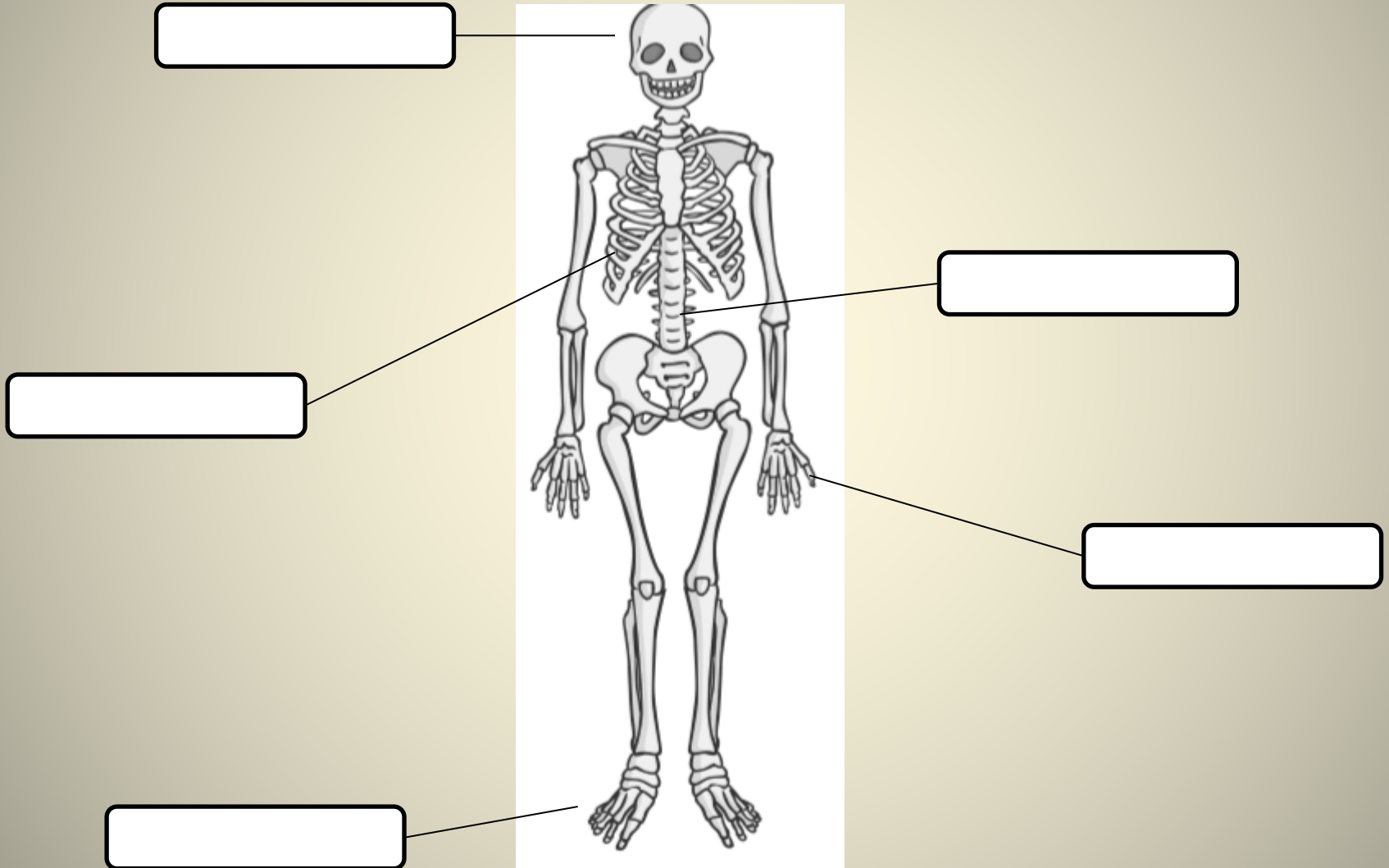
How can we look after our bones?

TASK FOR WHOLE CLASS

Can you think of how we can look after our bones?

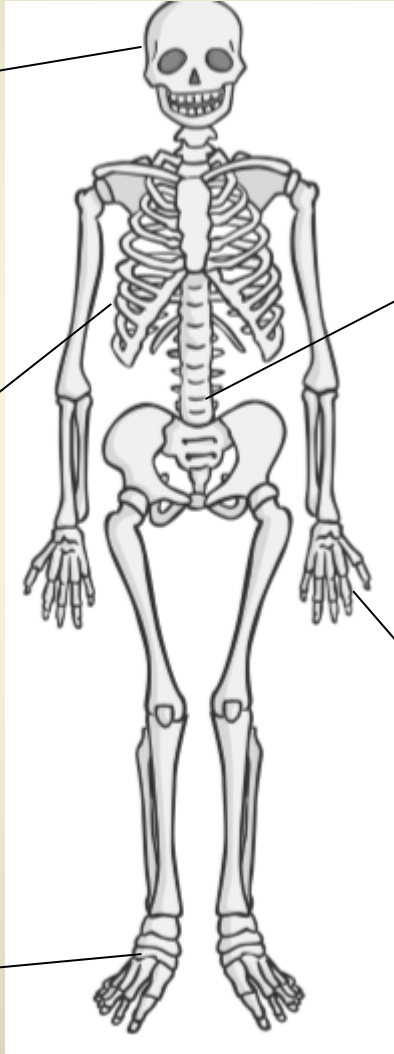
Think about when we are exercising and what we eat. Write your ideas down.

Group 1 and 2 Task – TM, PM, TB, EH, EG, TK
Using the PowerPoint to help you – can you label the skeleton?



Group 3 & 4 – KS, AC, WW, JS, JH

Using the PowerPoint to help you – can you label the bones on the skeleton and write a sentence or two about that particular bone.



Let's get creative.....

WHOLE CLASS TASK

This task is for the whole class to take part in.

I would like you to choose a bone that interests you. Create a factsheet about the bone and draw pictures and write about your chosen bone.

I would also like you to try and make a model of your chosen bone. You can use sand, play doh, rocks or papier mache! Please take photographs of your models.

