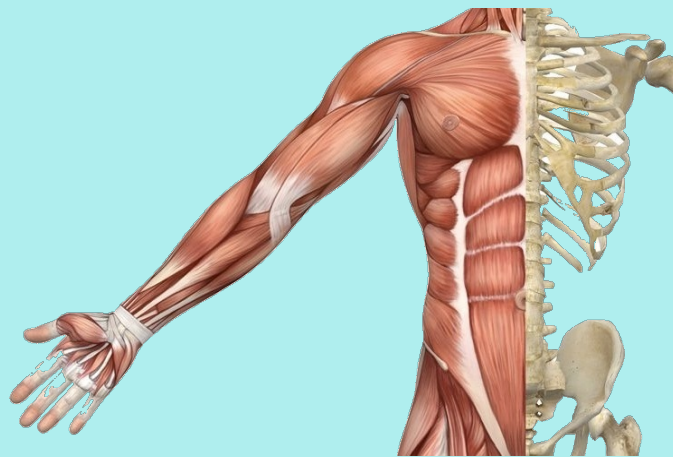


Science!



Tuesday 4th May 2021

LO: To identify and understand the function of the bones in different skeletons.

Starter:

This is a pizza. What nutrients are found on this pizza?

Write the list in your book

Meat - provides protein and fat

Cheese -

Vegetables -

Base (bread) -



Our Key question this half term is...

Are all skeletons the same?

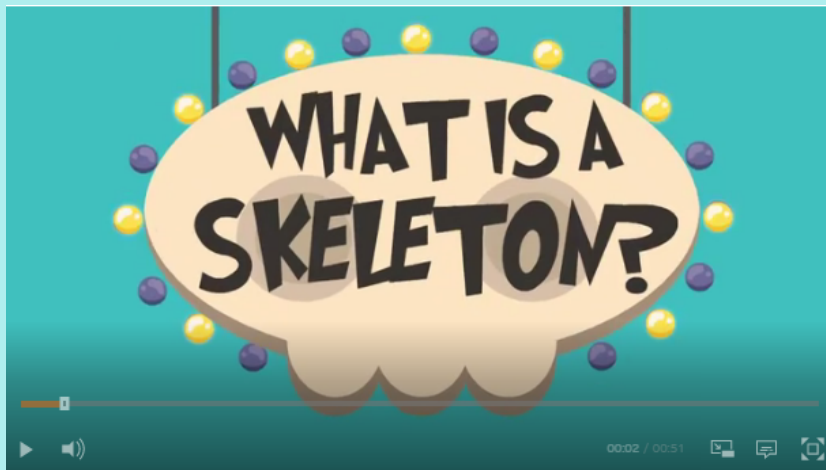
Our Key question this half term is...

This means we're going to be looking at humans and animals, and the ways our bodies work.

Interesting question for today:

How many bones do I have in my body?

<https://www.bbc.co.uk/bitesize/topics/z9339j6/articles/zqfdpbk>



Questions:

I do:

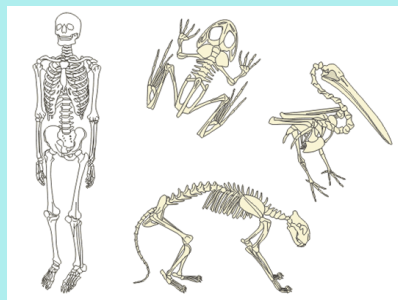
- Why are skeletons important?

We do:

- How many bones are in the human body?
- How many bones do you have when you are a baby?
- What are the bones at the end of your toes called?
- What is it called when an animal's skeleton is on the outside? What is the name for this kind of animal?

Text: Our bones

Key vocabulary: phalanges, fused, adapted, exoskeleton, vertebrates, invertebrates



What is underneath our skin?

Underneath our skin are lots of things that make up our body. One of these things is the bones that make up our skeleton.

Bones shape our body and help us to stand up straight.

All the bones in our body make up our skeleton - from the top of our skull to the tips of the phalanges at the end of our toes.

Our skeleton is really important because it is the think that keeps us standing upright, and helps us move around. Without a skeleton, we would be big piles of skin and muscle on the floor.

To

1. There are 206 bones in the hu
2. The longest bone in your body is about $\frac{1}{2}$ of your height!
3. The smallest bone in your bod quarter of a centimetre long.
4. Your hand has 27 different b
5. When a bone breaks, it's calle that's only possible for kids to doesn't break.

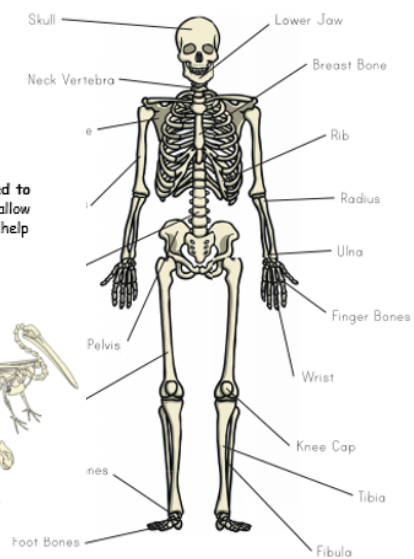
Bones in animals:

Not all animals walk and run around as humans do - their skeletons have adapted to different forms of movement. Fish swim, their long flexible backs and strong fins allow them to glide through water easily. Frogs hop, their strong back legs and large feet help them jump. Birds fly, their 'arms' have turned into wings.

Some animals, like insects and crabs, have a completely different type of skeleton from ours - their skeletons are on the outside of their bodies. This is called having an Exoskeleton. They are called invertebrates because they do not have a backbone made up of vertebrae. Some other invertebrates, like jellyfish, have no skeleton at all!



The Human Skeleton



Questions:

I do:

- Why are skeletons important?

We do:

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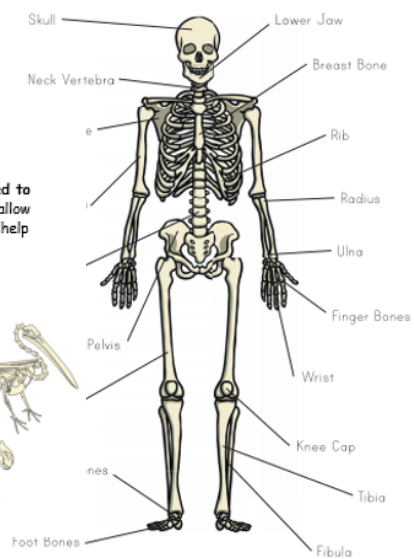
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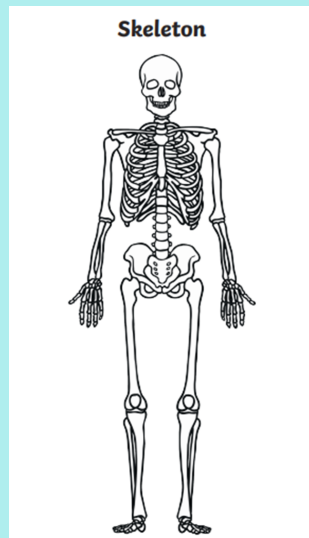
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The Human Skeleton



Using the skeleton diagram in the text, and the information we have read, can you label a diagram of a skeleton?



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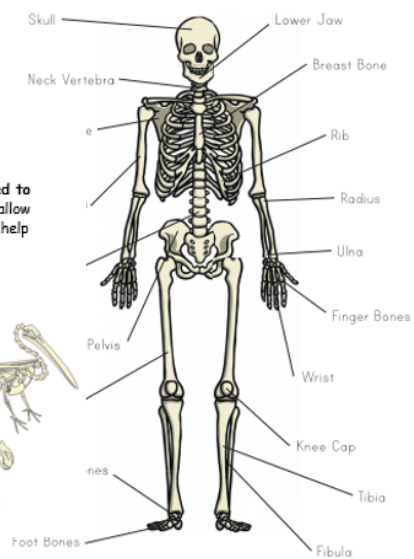
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The Human Skeleton



Choose three of the bones you have labelled.

Using an Ipad, research what these bones are used for, and write a sentence in your book describing each bone.

Ribs - The ribs help protect our lungs and heart. They also create space in our chest so we don't suffocate when we're holding our breath underwater.