

Prior Learning: Children know that humans obtain food from other plants and animals, to identify herbivores, omnivores and carnivores and basic parts of the body.

Concept: Living Things

In the unit will explore the functions of the skeleton and muscles!

Working scientifically:



Present results



Gather and record results



4. TWAL to identify parts of skeleton and its function

We will group animals into those with and without skeletons. What would happen if we didn't have a skeleton? Try shaking hands with a plastic glove filled with water. Explore what important organs the skeleton protects.



Skeleton protects soft organs and provides support



1.TWAL to understand that animals including humans cannot make own food and need it for energy

Why do animals including humans eat food? We will explore how food gives us energy and what our bodies use that energy for (movement, growth, repair and warmth).

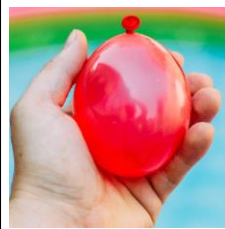
Compare different food labels to discover which has more energy and present this information in bar charts.



Humans need to eat food for energy.



5.TWAL to understand how skeletons and muscles provide protection



You will create your own ribcage and set up a class enquiry to explore how it protects the heart. Can you protect your heart? What provided the most protection (consider shape, strength and padding)? How does this link to the human body?



2. TWAL to identify that animals including humans need right types of nutrition

What do you know about keeping yourself healthy? We will explore what you know about a balanced diet and learn about different food groups focusing on what they do to keep us healthy. We will start our own food diary and colour code it to see if we are getting enough of the different food groups.

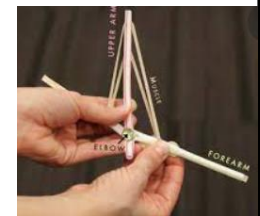


Carbohydrates give us energy, Protein helps us grow and repair.

6. TWAL to identify role of muscles in movement, protection and support

We will investigate how muscles work with the skeleton. Using elastic bands, we will learn how muscles work in pairs to move our joints.

[How do muscles work video bbc](#)



3. TWAL to compare different animal diets

We will investigate what different animals eat and compare these. Can you group the animals according to what they eat? You will learn how to use a Venn diagram to group animals into omnivore, carnivore and herbivores.



Present results

Words we will know!

