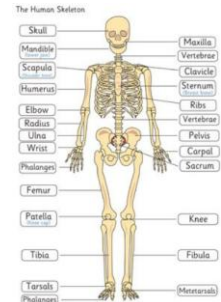


# Science: Animals Including Humans

## Year 3 Summer 1

### Key Vocabulary

protein	Protein builds, maintains, and replaces the tissues in your body.
carbohydrate	The two main forms of carbohydrates are sugars and starches, which are found in foods such as starchy vegetables, grains, rice, breads, and cereals.
nutrients	A substance that provides <u>nourishment</u> essential for the maintenance of life and for growth.
fats	A <u>fatty</u> substance made from animal or plant products, used in cooking.
vitamins	A chemical compound that is needed in small amounts for the human body to work correctly.
skeleton	An internal or external framework of bone, <u>cartilage</u> , or other rigid material supporting or containing the body of an animal or plant.
joints	Each of the distinct sections of a body or <u>limb</u> between the places at which they are connected.
sugars	A sweet crystalline substance obtained from various plants, especially sugar cane and sugar <u>beet</u> , consisting essentially of <u>sucrose</u> , and used as a <u>sweetener</u> in food and drink.
muscle	A tissue in the body consisting of long cells that can contract and produce motion.



### Useful web pages

<https://www.dkfindout.com/uk/human-body/skeleton-and-bones/>  
<https://www.bbc.com/bitesize/articles/zppvv4j>

### Why don't you...

Make your own model of a skeleton?  
 Keep a food and exercise diary for a week?  
 Create your own healthy and balanced meal?

### Scientific Knowledge

- Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food.
- Identify that humans get nutrition from what they eat.
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

### Enquiry Questions

- Is it possible to get food without using plants or animals?
- How do animals survive during hibernation?
- What would happen if we only ever ate the same type of food?
- Do all humans need the same amount of food?
- What is the healthiest meal you can design?
- Is it wrong to eat sweets every day?
- Can you survive without a skeleton?
- Which bone do you think is the most important?
- Would all animals survive if they had the same skeleton?
- Does every living thing have muscles?
- How would we be affected if we didn't have muscles?

### Scientific Concepts

**Structure and Function** - Anything composed of parts arranged together in some way has a structure. A function is a specific job or procedure.

**Adaptation, Evolution and Survival** - The process by which animals, plants and other living things have changed so that they are better suited to their habitat is called adaptation. Evolution is the way that living things change over time.

### Scientific Skills

- Use different ideas and suggest how to find something out.
- Make and record a prediction before testing.
- Plan a fair test and explain why it was fair.
- Explain why they need to collect information to answer a question.
- Obtain and present evidence.
- Record their observations in different ways (labelled diagrams, charts etc).
- Describe what they have found using scientific words.
- Use their findings to draw a simple conclusion.