

# The National Junior School

**Science Focus:**

**Animals, including humans**

**Year 3**

**Autumn**

## What? (Key Knowledge)

### Nutrition

Things animals need to survive	Water Food Air Shelter
Things humans need to survive	Water Food Air Shelter
Things humans need to be healthy	<ul style="list-style-type: none"> <li>To have a balanced diet of the right amount of different types of food and drink</li> <li>To exercise regularly</li> <li>To be hygienic</li> </ul>
What is Nutrition?	Nutrition means animals getting the food they need to grow and be healthy
Can we make our own food?	<p><b>No.</b></p> <ul style="list-style-type: none"> <li>Humans and animals can't make their own food</li> <li>They get food by either growing it, hunting it or gathering it</li> </ul>
What is meant by growing food?	<ul style="list-style-type: none"> <li>Humans can grow their own food by planting seeds that they later harvest</li> </ul>
What is meant by hunting food?	<ul style="list-style-type: none"> <li>Humans can hunt other animals to eat</li> </ul>
What is meant by gathering food?	<ul style="list-style-type: none"> <li>Humans can find foods grown in the wild to eat</li> </ul>

### Skeletons and Muscles

What is a skeleton?	<ul style="list-style-type: none"> <li>A skeleton is a structure of bones that supports the body of a person or animal</li> </ul>
12 common parts of the skeleton we should know	<ul style="list-style-type: none"> <li>Skull, clavicle, scapula, rib cage, humerus, spinal column, pelvis, ulna, radius, femur, fibula and tibia</li> </ul>
What is a muscle?	<ul style="list-style-type: none"> <li>A soft tissue in the body that contracts and relaxes to cause movement of the skeleton</li> </ul>

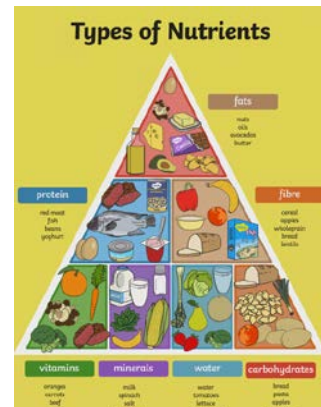
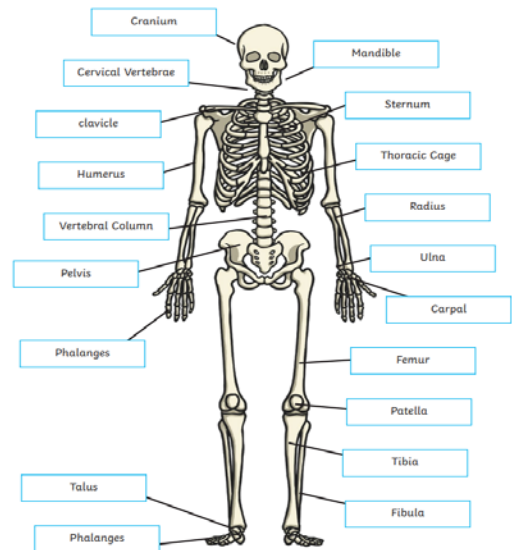
<p>Questions:</p> <p>What types of skeleton are there?</p> <p>What is the function of a skeleton?</p>	<ul style="list-style-type: none"> <li>Hydrostatic skeleton, endo-skeleton, exo skeleton.</li> <li>Support</li> <li>Protection</li> <li>Movement</li> </ul>
---	---

## What? (Key Vocabulary)

Spelling	Definition/Sentence
	Type of nutrient that helps us grow and repair
	Type of nutrients that help keep us healthy
Carbohydrates	Types of nutrients that give us energy
Fats	Fats give you energy too

## Diagrams and Symbols

### The Human Skeleton



## Prior Knowledge

- \*identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- \*identify and name a variety of common animals that are carnivores, herbivores and omnivores
- \*describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
- \*identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.
- \*notice that animals, including humans, have offspring which grow into adults
- \*find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- \*describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.