



Jerry Clay Academy  
Subject Knowledge Organiser

Subject: Science (Animals, including humans) Year Group: 3 Term: Autumn

### Core Learning of This Unit:

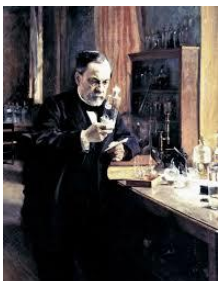
- To learn the importance of nutrition.
- To know to the main body parts of the skeleton and muscles.
- To find out how different parts of the body have special functions.
- To identifying and group animals with and without skeletons and observing and comparing their movement. To explore ideas about what would happen if humans did not have skeletons.
- To compare and contrast the diets of different animals (including their pets) and decide ways of grouping them according to what they eat.
- To research different food groups and how they keep us healthy, and design meals based on what they find out.

### Prior Learning:

From Year 1 : Children should be able to identify and name a variety of common animals and their classification and know basic needs of animals, including humans for survival.

From Year 2:

- Know that humans and animals have offspring which grow into adults
- Know basic needs of animals, including humans for survival
- Know why exercise, food and hygiene are important



### National Curriculum Statements:

Pupils should be taught to:

identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat

identify that humans and some other animals have skeletons and muscles for support, protection and movement.

### Key Vocabulary:

- Skeleton- Keeps the body in shape, helps movement and protects organs
- Skull- A bone that protects the brain
- Ribcage- A bone that protects the heart
- Heart- Muscle that pumps blood around the body
- Joints -Area where two bones meet
- Consumers- Eating food you cannot create yourself
- Muscle- Attached to the bone and are responsible for movement
- Posture- The position that a person sits in
- Nutrients -Substances that help plants and animals to grow
- Organs- Tissues in the body that perform functions
- Vitamins -Substances found in foods that keep you healthy
- Digest- When food in the stomach is broken down
- Tendon- A strong cord in a person or animal's body which joins a muscle to a bone

### Significant People

Louis Pasteur was a French biologist, microbiologist and chemist renowned for his discoveries of the principles of vaccination, microbial fermentation and pasteurization. He is remembered for his remarkable breakthroughs in the causes and prevention of diseases, and his discoveries have saved many lives ever since.