



Jerry Clay Academy
Subject Knowledge Organiser

Subject: Science (Animals including humans) Year Group: 4 Term: Autumn

Core Learning of This Unit:

- To know that humans have four types of teeth : incisors, canines , premolars and molars
- To know that animals teeth have evolved to suit their diet.
- To know the parts of the digestive system and their job in the body
- To know about predators and prey
- To know how to care for our teeth
- Compare human and animal teeth
- Construct and interpret a variety of food chains

Prior Learning:

From KS1: Children should know different parts of the human body and living healthy lifestyles

From Year 3: Children should know about nutrition and the skeleton and the digestive system



National Curriculum Statements:

Pupils should be taught to:

- describe the simple functions of the basic parts of the digestive system in humans
- identify the different types of teeth in humans and their simple functions
- construct and interpret a variety of food chains, identifying producers, predators and prey.

Key Vocabulary:

- Molar, incisor, canine
- Enamel -The hard covering for the tooth.
- Decay- Rot or decompose through the action of bacteria and fungi. This is what happens to teeth when they are not cared for.
- Gum- The firm area of flesh around the roots of the teeth in the upper and lower jaw.
- Jaw- Each of the upper and lower bony structures in vertebrates forming the framework of the mouth and containing teeth. Mouth The opening in the lower part of the face surrounded by lips, through which food is taken in and sounds are given out.
- Oesophagus - this is a muscular tube lined with mucus which connects the throat to the stomach.
- Stomach- The internal organ in which the major part of the digestion of food occurs, linking the oesophagus to the small intestine.
- Liver- A large organ in the abdomen of vertebrates involved in many chemical processes linked to digestion
- Large intestine -This is shorter and wider than the small intestine.
- Rectum- The final section of the large intestine, ending at the anus, where faeces leaves our bodies

Significant People

Lisa Milella is a veterinary dentist who is known as the 'bear dentist' for helping India's endangered bears.