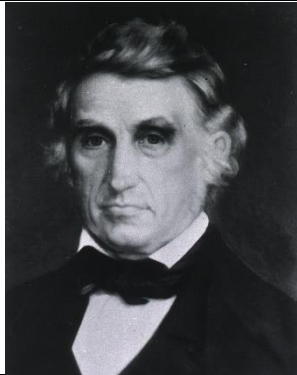




**Inspirational Scientist:**

William Beaumont was a U.S. Army surgeon. He is believed to be the first person to observe and see digestion happening in the stomach.



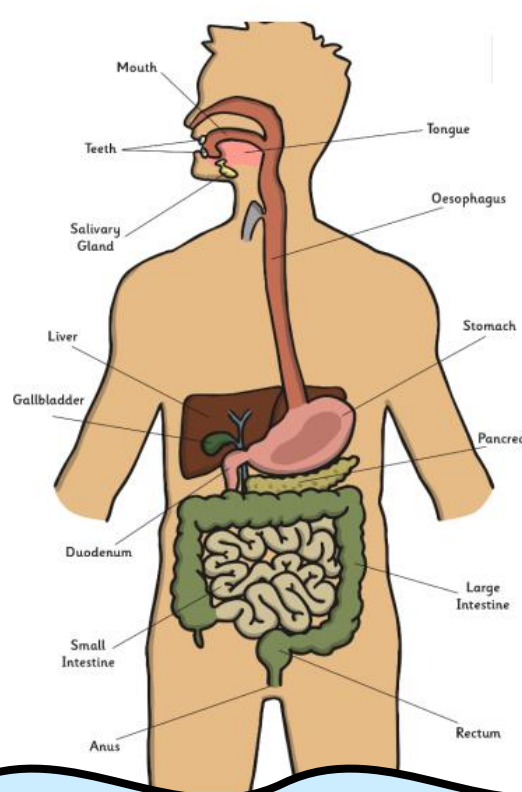
**Key questions**

How does food move through the digestive tract?  
 How long does it take to digest our food once it leaves our mouths?  
 What is the digestive system and how does it work?

**Working scientifically:**

In our science topic this term, we will continue to develop the following skills:

- Identify differences related to simple ideas
- Present data in a variety of different ways
- Setting up simple, practical, fair tests
- Make systematic and careful observations



*Animals including Humans  
 (Digestion and food chains)*

**Key vocabulary:**

**Anus** – stools are released from here.  
**Digest** – break food down so that it can be used in the body.  
**Gallbladder** – stores and releases bile.  
**Large intestine** – stools formed from waste food.  
**Liver** – produces bile.  
**Oesophagus** – the path from the mouth to the stomach.  
**Pancreas** – produces enzymes to break down fats, proteins and carbohydrates.  
**Rectum** – stools formed here and informs the brain that there is a need to get rid of waste products.  
**Saliva** – helps to soften food.  
**Small intestine** – waste passes through here to the large intestine.  
**Stomach** – acid and enzymes break food down here.  
**Teeth** – there are 4 main types of teeth which help to break down food in the mouth, at the start of the digestion process.  
**The digestive system** – system of organs which get food in and out of the body and make use of the nutrients to keep our bodies healthy.  
**Tongue** – mixes food and saliva.



Click on this picture to watch a video about the digestive System.

**Food Chains**



**Food chains**

This term, we will also be looking at food chains. These show how each living thing gets food and how nutrients are passed from producers to different consumers. They begin with plant life and end with animal life. At the top of the food chain are apex predators (animals which have no natural predators that eat them).