



Roby Park Primary School Year 4
Biology
Human Nutrition



What we already know:

- ✓ Notice that animals, including humans, have offspring which grow into adults.
- ✓ 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.
- ✓ 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.

We are learning 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





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Key Vocabulary

Canines - are used for tearing and ripping food.

Incisors - help you bite off and chew pieces of food.

Molars - help you crush and grind food.

Stomach - produces strong acid. This kills many harmful micro-organisms that may have been swallowed with the food.

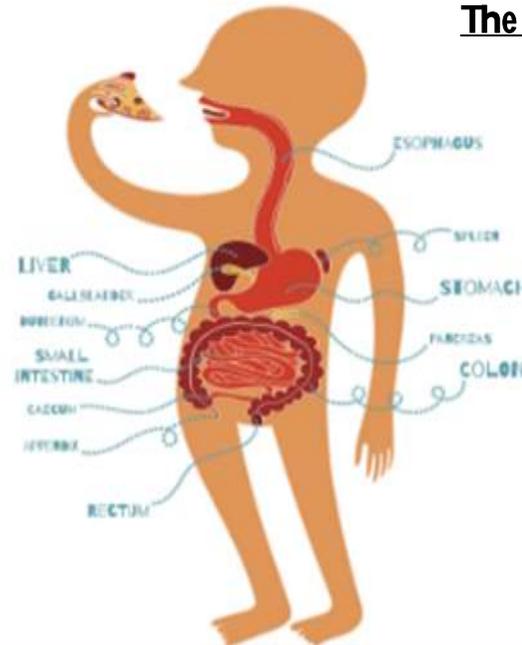
Small Intestine - the first part of the small intestine works with juices from the liver and pancreas to continue to break down our food.

Large Intestine - any food that the body doesn't need or can't use is sent to the large intestine and later leaves the body as waste.

Liver - provides bile (stored in the gall bladder) that helps break up fat into smaller bits.

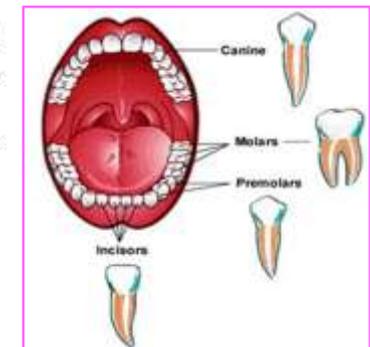
Pancreas - provides additional enzymes to help digest all sorts of food. The liver also processes the digested food from your blood before it gets sent to various places in your body to be used.

The Power of Five



- 1.) Tooth decay is the destruction of your tooth enamel
- 2.) It can be a problem for children, teens and adults.
- 3.) Plaque, a sticky film of bacteria, constantly forms on your teeth.
- 4.) When you eat or drink foods containing sugars, the bacteria in plaque produce acids that attack tooth enamel.
- 5.) Tooth ache and bad breath are symptoms of tooth decay.

Enamel: The visible part of the tooth. It is harder than bone and protects the tooth.
Dentin: Found underneath the enamel and is similar to bone. **Pulp:** Found in the centre of the tooth and is full of blood vessels and nerves. It supplies the tooth with nutrients.



Investigate!

Predict what happens inside their bodies when they eat. Demonstrate how a banana sandwich passes through the digestive system. Make models of teeth. Investigate how different drinks affect teeth. Compare toothpastes through a variety of tests. Design the packaging for their ideal toothpaste





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4Ws

Which teeth are used for grinding food?

What is the destruction of tooth enamel known as?

Where is waste stored before it leaves the body?

Where does food mix with acid to turn food into water?

3 2 1

List 3 types of teeth

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Recall 2 facts about digestion.

.....

Recall 1 fact eating too much sugar

.....



Name 5 body parts involved in digestion



VOCABULARY UNSCRAMBLE

l o m a r
Grinds food

r i v l e
Provides bile

n o r c w
Top part of the tooth.

Speedy Pencil. Write as much as you can remember in 5 minutes



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