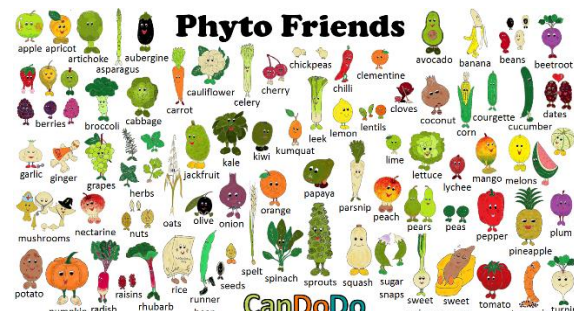
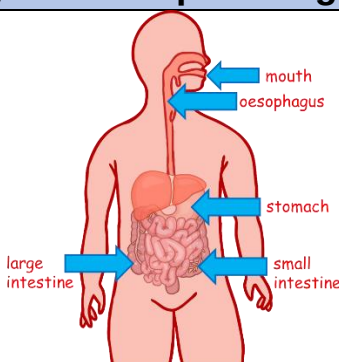


The Marist RC Primary School		Knowledge Organiser		
Year 4, Science Spring		Digestion and Healthy Eating		
Builds on and leads to ...		Enquiry/skills		
Builds on... - Find out about and describe the basic needs of animals, including humans, for survival. (Y2) - Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2) - 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. (Y3) Leads to Year 6 ... Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. (Y6) - Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. (Y6) - Describe the ways in which nutrients and water are transported within animals, including humans. (Y6)		- The children consider their prior knowledge when asking questions. - They follow their plan to carry out: observations and tests to classify; comparative and simple fair tests; observations over time; and pattern seeking. - They record their measurements - Children interpret their data to generate simple comparative statements based on their evidence. They begin to identify naturally occurring patterns and causal relationships. - They communicate their findings to an audience both orally and in writing, using appropriate scientific vocabulary.		
What will I know by the end of the unit?		Vocabulary		
- Food enters the body through the mouth. Digestion starts when the teeth start to break the food down. - The food is swallowed and passes down the oesophagus to the stomach. Here the food is broken down further by being churned around and other chemicals are added. - The food passes into the small intestine. Here nutrients are removed from the food and leave the digestive system to be used elsewhere in the body. - The rest of the food then passes into the large intestine. Here the water is removed for use elsewhere in the body. - What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.		Digest		Break down food so it can be used by the body.
		Digestive system		A system of organs that get food in and out of the body and which make use of the food to keep the body healthy.
		Mouth		This is where food enters and is broken down by chewing. Teeth crush the food into smaller pieces and the tongue helps move, taste and swallow food.
		Oesophagus		The tube connecting your mouth and your stomach. Once food has been swallowed it squeezes and pushes food down into your stomach.
		Stomach		Here enzymes and digestive acid digest the food. As the food breaks down, nutrients are released.
		Intestines		Here nutrients are absorbed into the blood stream and carried all around the body, leaving the waste to travel through the intestines and exit the body.
		Nutrients		A substance that provides nourishment essential for the maintenance of life and for growth.
Diagrams / Maps / Images				
  Assessment Task Pre and post unit healthy eating questionnaires. The Battle of the belly challenge task.				