## **Science Knowledge Organiser**

system?

How do I explain

the digestive

system in

humans to others?

will know:

**Animals including humans** 

Year 4

#### **Main Foci:**

### Biology

# Year 4 Autumn 1

#### What should I already know from Year 3

- identify <u>that animals</u>, 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, <u>protection</u> and movement

	Vocabulary					
absorb	soak up or take in					
canine	pointed teeth near the front of the mouth of humans and of some animals					
carnivore	an animal that eats meat					
decay	gradually destroyed by a natural process breaking down ingested food material the hard white substance that forms the outer part of a tooth the process of eliminating faeces, urine, or sweat from the body					
digestion						
enamel						
excretion						
faeces	the solid waste substance that people and animals get rid of from their body by passing it through the anus					
herbivore	an animal that only eats plants					
incisor	the teeth at the front of your mouth which you use for biting into food					
ingested	When animals or plants <b>ingest</b> a substance, they take it into themselves, for example by eating or <b>absorbing</b> it					
intestines	the tubes in your body through which food passes when it has left your stomach					
molar	the large, flat teeth towards the back of your mouth that you use for chewing food					
muscles	something inside your body which connects two <b>bones</b> and which you use when you make a movement					
nutrition	the process of taking food into the body and <b>absorbing</b> the <b>nutrients</b> in those foods					
oesophagus	the part of your body that carries the food from the throat to the stomach					
omnivore	person or animal eats all kinds of food, including both meat and plants					
organ	a part of your body that has a particular purpose					
plaque	a substance containing bacteria that forms on the surface of your teeth					
premolar	two situated on each side of both jaws between the first molar and the canine					
process	a series of actions used to produce something or reach a goal.					
saliva	the watery liquid that forms in your mouth and helps you to chew and digest food					
stomach	the <b>organ</b> inside your body where food is <b>digested</b> before it moves into the <b>intestines</b>					

	Ma	in Foci:	вююду					
I	What will I know by the end of the unit?							
	What are the different types of teeth and their functions?	I will know: Premolars  4. Premolars	2. 3. food.	We have sharp tee We have teeth cal	to bite things and stop us from choking. The eth that help us tear at food. They are called led molars at the back of our mouth. These molars. They are used to chew and crush for	d canines. are used to chew our		
	What is tooth decay?	2. I know decay	that food an	d drinks containing	nust be taken care of. g acid can damage this enamel and cause what I need to do to prevent this.	Received garme Control of the Contro		
	How do different drinks effect our teeth?	2. I know 3. I know	how to comp how to draw	pare different drinl	effects different drinks have on our teeth. ferent drinks through fair testing and investigations. sions from the investigation and can explain my results. are likely to affect my teeth and cause tooth decay.			
	What does toothpaste do?	2. That d	ifferent tooth		e test.  Iferent effects on our teeth.  Its can be at stopping <b>tooth decay.</b>			
	What is the digestive system?	I will know the b	1. <b>Digesti</b> 2. <b>Saliva</b> i 3. The foo 4. In the s 5. The foo 6. The foo 7. The wa I know th	ion starts when the is added and the to od is swallowed an stomach the food i od passes through od passes through aste leaves the bodiat we eat to ensurat the food we eat	e teeth start to break the food down. ongue rolls the food into a ball. d passes down the <b>oesophagus</b> to the stom s broken down by chemicals in the stomach the <b>small intestine</b> the <b>large intestine</b> ly through the <b>rectum/anus</b> e our body gets enough energy and <b>nutrien</b> is too big to travel through our body so need	n u <b>ts</b> to survive		
	What are the functions of the different parts of the digestive system?	2. The di- model	fferent stages and key voca	s of the digestive sy	stages of the <b>digestive system</b> .  ystem and explain them to others using the estive system.	To digetto equine:  Monte  Correlespe  Cor		

1. The functions of each organ of the **digestive system** from the start of the process until the end.

2. How to present and identify key information by explaining the functions of the **digestive system**.

Science Knowledge Organiser						
	Year	Main Foci:				