Calcot Schools Knowledge organiser—Science Teeth and the digestive system				
Topic: Animals including humans		Phase: KS2 Y4		Strand: Biology
Prior knowledge from previous year groups:		Diagrams:		Vocabulary:
find out about and describe for cluding humans, for survival of describe the importance for right amounts of different t identify that animals, includi and amount of nutrition, and own food; they get nutrition What will we know by the The differ- ent types of teeth and their func- tion. The struc- ture of teeth and the effects of decay. The simple functions of the basic parts of the digestive system in humans tindiffer- ee-nam-el the tooth. nerve endition the body. divided int The digest is a continu	the basic needs of animals, in- (water, food and air) humans of exercise, eating the ypes of food, and hygiene. ng humans, need the right types that they cannot make their from what they eat end of the unit? utting, slicing pping, tearing ewing, grinding e three layers: Enamel, (say is a hard protective outer ring the crown of the tooth. say den-teen) is a second layer covering the nerve of Pulp, (also called the he soft middle of that has a blood supply and ngs. on of the digestive sys- estion btion. Digestion is the	Diagrams:	Crown Net Rot Both Rot Salivary glands Stomach Large intestine Stomach Large intestine Junus	Vocabulary:         Incisors - a narrow-edged tooth at the front of the mouth, adapted for cutting. In humans there are four incisors in each jaw.         Canine - a pointed tooth between the incisors and premolars of a mammal, Premolars - a tooth situated between the canine and the molar teeth. An adult human normally has eight, two in each jaw on each side.         Malars - a grinding tooth at the back of a mammal's mouth.         Oesophagus - this squeezes food down into the stomach like a toothpaste tube         Stamach - this organ adds special enzymes which help speed up the digestive process         Large intestine - takes water and some minerals from leftover food material and creates solid waste.         Small intestine - here nutrients are absorbed through the walls into the body         Acids - play a key role in digestion of proteins by activating digestive enzymes.         Saliva - a watery liquid that is produced to moisten food, so it can be swallowed easily.         Enzymes - These are special proteins that break up large molecules of food into tiny molecules.         Pancreas - Produces digestive juices and helps to control blood sugar.         Anus - this is where solid waste (poo) leaves the body         Digestion - breaking down food so that it is small enough and soluble enough to pass through the wall of the small intestine         Investigate! <ul> <li>Make a map of your mouth.</li> <li>How/why do teeth decay?</li> <li>Compare human and animal teeth.</li> <li>Make the digestive system using common household items: tights, sealable plastic bag, orange juice</li></ul>