

Year6				
Topic	Prior Learning	Present learning	Misconceptions	Future learning
Animals, including humans National Curriculum <ul style="list-style-type: none"> Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. Describe the ways in which nutrients and water are transported within animals, including humans. 	<ul style="list-style-type: none"> Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2 - Animals, including humans) 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 - Animals, including humans) Describe the simple functions of the basic parts of the digestive system in humans. (Y4 - Animals, including humans) Identify the different types of teeth in humans and their simple functions. (Y4 - Animals, including humans) 	Knowledge and Understanding <ul style="list-style-type: none"> - identify and name the main parts of the human circulatory system -describe the functions of the heart, blood vessels and blood - understand how some drugs and other substances can be harmful to the human body. -understand the effects of alcohol and smoking on health. Investigations:— <ul style="list-style-type: none"> -plan and investigate benefits of exercise for different purposes associated with fitness and health -identify and describe causes of high cholesterol and its impact and the circulatory system -name their own blood group -design a weekly food plan that supports a healthy lifestyle (showing awareness of both social and religious beliefs, including sustainability) Vocabulary: malnutrition Intoxication aerobics cardiovascular nutrients oxygenated deoxygenated circulatory system blood	Some children may think: <ul style="list-style-type: none"> your heart is on the left side of your chest the heart makes blood the blood travels in one loop from the heart to the lungs and around the body when we exercise, our heart beats faster to work the muscles more some blood in our bodies is blue and some blood is red we just eat food for energy all fat is bad for you all dairy is good for you protein is good for you, so you can eat as much as you want foods only contain fat if you can see it all drugs are bad for you. 	<ul style="list-style-type: none"> The consequences of imbalances in the diet, including obesity, starvation and deficiency diseases. (KS3) The effects of recreational drugs (including substance misuse) on behaviour, health and life processes. (KS3) The structure and functions of the gas exchange system in humans, including adaptations to function. (KS3) The mechanism of breathing to move air in and out of the lungs. (KS3) The impact of exercise, asthma and smoking on the human gas exchange system. (KS3)

