



Science		Year 6	
Focus: Animals including humans			
Age related scientific vocabulary			
Aorta— the major blood vessel that carries blood away from the heart to the rest of the body.	Vein - Veins, which usually look blue, return blood to the heart.	Valve— one-way inlets for blood coming into a ventricle and one-way outlets for blood leaving a ventricle.	Artery— Carry blood away from the heart
Atrium - the upper chamber through which blood enters the ventricles of the heart	Ventricle - one of the four chambers of the heart	Circulatory System - made up of blood vessels that carry blood away from and towards the heart.	

Key Knowledge
<ul style="list-style-type: none"> • The heart pumps blood to the lungs to get oxygen; it then pumps this oxygenated blood around the body • Mammals have hearts with 4 chambers. • The blood that has come from the body is deoxygenated, and the blood that has come from the lungs is oxygenated again. • Capillaries are the smallest blood vessels in the body and it is here that the exchange of water, nutrients, oxygen and carbon dioxide takes place. • Arteries carry oxygenated blood away from the heart. • Veins carry deoxygenated blood toward the heart. • If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles

Science	Carlton Assessment Grid		
Success Criteria	Pupil Reflection		Teacher Assessment
	Before	After	
I can name the main parts of the human circulatory system, and describe the function of the heart, blood vessels and blood.	<input type="checkbox"/>	<input type="checkbox"/>	
I can name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood	<input type="checkbox"/>	<input type="checkbox"/>	
I can describe the importance of exercise and how it affects the heart.	<input type="checkbox"/>	<input type="checkbox"/>	
I can explain that regular exercise is important for a healthy body.	<input type="checkbox"/>	<input type="checkbox"/>	
I can explain how diet and exercise affect the body	<input type="checkbox"/>	<input type="checkbox"/>	
I can recognise the impact of drugs and alcohol on the way bodies function	<input type="checkbox"/>	<input type="checkbox"/>	