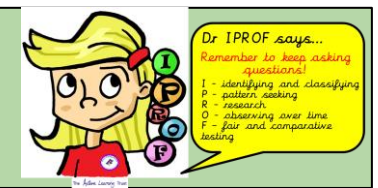


Science (Summer 1)

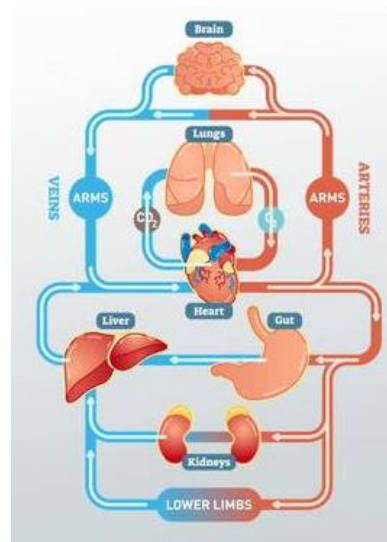
Topic: Animals (Including humans)

Year: 5 & 6

Strand: Biology



Key vocabulary	
heart	The heart pumps blood around your body.
pulse	Each time the heart beats it can be felt as a pulse in the arteries. Typically, in the wrist and neck.
blood	The red liquid pumped around the body by the heart. It transports oxygen, nutrients and water to all the parts of the body.
blood vessels	The narrow tubes which our blood flows through including the arteries, veins and capillaries.
lungs	Two organs situated in the ribcage that fill with air when you breathe in. They remove carbon dioxide from blood and add oxygen.
circulatory system	This circulates blood through the body. It consists of the heart, blood and blood vessels.
diet	The sort of food animals or humans regularly eat.
exercise	Activity that requires physical effort, carried out to sustain or improve health and fitness.
drugs	A medicine or other substance that has an effect in a person's body.
lifestyle	The way in which a person lives.



By the end of this unit we will:

- Be able to identify the main parts of the human circulatory system and explain their function.
- Understand how the circulatory system enables the body to function.
- Know the main components of blood and their functions.
- Be able to explain the impact of diet, exercise, drugs and lifestyle on the way their bodies work.

The heart pumps blood in the blood vessels to the lungs where oxygen goes into the blood and carbon dioxide is removed.

The blood goes back to the heart. It is then pumped around the body so that water, nutrients and oxygen are transported in the blood to the muscles and all the other parts of the body where they are needed. As all these are used, they produce carbon dioxide and other waste products.

Carbon dioxide is carried by the blood in blood vessels back to the heart. This cycle starts again as the carbon dioxide is then transported back to the



Staying healthy
Diet, exercise, drugs and other lifestyle choices have an impact on how our bodies function. This can affect how well our heart and lungs work and how fit and well we feel.