



## Mickleover Primary School – Science Knowledge Organiser

Title: **Animals including humans**

Year Group: 6

Term: Spring 2

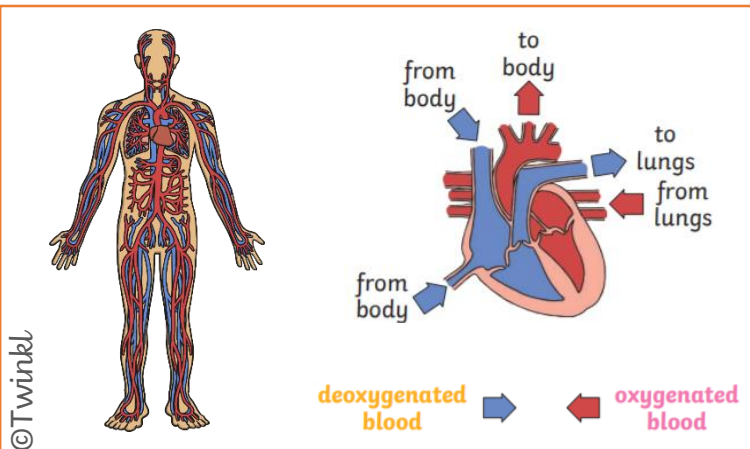
### Vocabulary you will know...

<b>blood</b>	A liquid that circulates through arteries and veins, carrying oxygen to, and carbon dioxide from, tissues in the body.
<b>blood vessels</b>	Tubes that carry blood around the body. Veins, arteries and capillaries are three types of blood vessels.
<b>drugs</b>	A substance containing natural or man-made chemicals that has an effect on your body.
<b>circulatory system</b>	A system in the body, that allows blood to circulate and transports oxygen and nutrients to different organs and cells in the body
<b>heart</b>	An organ in that constantly pumps blood around the circulatory system: to and from the lungs and around the rest of the body.
<b>nutrients</b>	Substances that animals need to stay alive and healthy.

### Key Learning

The children should be taught to:

- 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



### Working scientifically

- To investigate and measure the impact of different forms of exercise on heart rate.

### What will I know by the end of the unit.....?

- that the circulatory system is a group of organs and vessels that transport blood around the body
- that without blood, the cells in the body would not receive oxygen and nutrients
- that the heart is the organ that drives the blood around the body
- that the lungs are where the exchange of oxygen takes place to allow a constant supply of oxygenated blood
- that exercise and diet impact on the health of our body and its systems
- that medicines and other drugs can damage as well as help our bodies.