**Year 6 – Summer 1 – Animals including Humans**



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| **Key Facts** |
| Mammals have hearts with 4 chambers: the right atrium, the right ventricle, the left atrium and the left ventricle.  |
| **Deoxygenated blood** comes from the body and goes to the lungs. **Oxygenated blood** comes from the lungs and goes to the body. |
| Blood transports gases (**oxygen** and **carbon dioxide**), **nutrients** (including water) and **waste products** around the body. |
| **Red blood cells** carry **oxygen**. |
| **Platelets** help stop bleeding when you get hurt. |
| **White blood cells** fight infection when you are unwell. |
| **Plasma** is made up of **protein** and **water**. |



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| **Key Vocabulary** |
| **Circulatory system** | The system responsible for carrying oxygen and nutrients to cells and removing carbon dioxide and waste products. It is made up of the heart, blood vessels and blood. | **Arteries** | Tubes that carry oxygenated blood from the heart to the rest of the body. |
| **Heart** | An organ that pumps blood around the body. | **Veins** | Tubes that carry deoxygenated blood from the body to the heart. |
| **Blood vessels** | Tubes that carry blood around the body. They include arteries, veins and capillaries. | **Capillaries** | Tiny tubes in which the exchange of oxygen and nutrients, carbon dioxide and waste products happens. |
| **Oxygenated blood** | Blood that has more oxygen in it than carbon dioxide. It is pumped from the heart to the body. | **Drugs** | Chemicals that change the way the body works. |
| **Deoxygenated blood** | Blood that has more carbon dioxide than oxygen. It is returning to the heart from the body. | **Alcohol** | Chemical substance in beer, wine and spirits that changes the way the body works. |