To be able to identify and name the main parts of the human circulatory system, and explain the functions of the heart, blood vessels and blood.

* Watch the 4 clips about the circulatory system by following the link below:

<https://www.bbc.co.uk/bitesize/topics/zwdr6yc>

**Task – Make your own blood!**

By using the following information about the components of blood, create your own model, carefully trying to get the correct proportions.

1. Red blood cells (red-coloured sweets): 44% of blood volume. Carry oxygen and carbon dioxide around body. Only live for about 3 months, but are continuously produced in the bone marrow.

2. Plasma (syrup): 55% of blood volume. Syrups, thick, clear, yellowish liquid that carries dissolved food and wastes.

3. White blood cells (white jelly beans or marshmallows): 0.5% of blood volume. Bigger than red blood cells, oddly shaped cells that "eat" bits of old blood cells and attack germs.

4. Platelets (smarties): 0.5% -bits of cells and cytoplasm that help clot your blood.

**Interesting Fact:** There are 5 million red blood cells, 10 thousand white blood cells, and 250 thousand platelets in a pinhead-size drop of blood.

**Finally, take a photograph or make a sketch of your blood labelling the different components.**

**Have fun!**