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# Subject

# Theme

## Science – The Human Body

Creative Activity **Blood:**

Hopefully you have all successfully created a model of the heart (it would be great to see some!) therefore I thought it would be a great idea to learn all about blood.

Watch this interesting video on blood:

<https://www.bbc.co.uk/ideas/videos/the-curious-world-of-blood/p0736d1d?playlist=the-body>

Make some blood!

There are two methods that you can use (when I tried this one yesterday I preferred the second method).



### Method 1

#### **BLOOD**

##### **STUFF YOU NEED:**

1. BUCKET
2. WATER
3. RED FOOD COLORING
4. LITER JUG

##### **INSTRUCTIONS**

The human body has an average of 5,6 liters of blood.

**STEP ONE:** ADD RED FOOD COLORING TO WATER.

**STEP TWO:** TAKE A LITER JUG.

**STEP THREE:** MEASURE OUT 5,6 LITERS INTO A BUCKET.



### Method 2

Please do not feel like you have to complete all of these activities, these are just some suggestions as to how you could spend your time at home.

### STUFF YOU NEED:

1. RED AND WHITE JELLY BEANS for red and white blood cells
2. RICE for platelets
3. CORN SYRUP OR OLIVE OIL for plasma
4. MIXING BOWL



### INSTRUCTIONS

STEP ONE: MAKE UP YOUR HUMAN BLOOD FOLLOWING THE GUIDELINES BELOW:

- **White blood cells** (Leukocytes) are cells of the immune system defending us against disease. They make up approximately **1%** of the total blood volume in a healthy adult.
- **Red blood cells** (Erythrocytes) carry oxygen round the body. They are the most common cell and make up **40-45%** of its volume.
- **Platelets** are tiny cell fragments that circulate in the blood and help form blood clots when you cut yourself. The best answer I got was about **0.1%** of the total volume. Tip in a few rice grains!
- **Plasma** is the liquid component of blood and makes up **55%** of the volume.

### Next Task

Create a poster/guide to explain what you have learnt about blood from watching the video and creating your own.

You may wish to search the internet or use an encyclopaedia to add more information to your poster.