**Developing Experts S6**

**Mission 1**

Blood vessels shaped like a tube

Carry the blood to all the places in you

Circulatory system includes the heart and the veins

Through which the blood all moves

A blood clot is a clump that forms when blood turns solid

When fat builds up it makes a fatty deposit

When these things happen they stop the flow of blood

And they might cause a heart attack

Nobody wants that!

**Mission 2**

Bloodstream, now what does that mean?

It’s the flow of blood around the body

Anything relating to breathing

We can call respiratory

In the heart is an atrium; it takes blood from our veins

Then it moves to a ventricle, where it’s pumped out again

The blood flows through an artery called the aorta

A tube that takes blood from the heart

To other body parts

**Mission 3**

Trachea’s another tube

Known as the windpipe that you breathe in through

Bronchi branch from trachea

They carry air to the lungs, in your chest area

Oxygen moves into the blood through alveoli

Moves around in tiny tubes called capillaries

The muscle under your lungs is called a diaphragm

It separates the chest and heart

From the lower body parts

**Mission 4**

Blood cells are rather nifty

They carry oxygen round the body

Plasma is a yellow liquid

And most of our blood is made up of it

What makes your blood so red? It’s haemoglobin

platelets make blood go thick which stops you bleeding

Proteins called antibodies can fight disease

by killing bad bacteria

Pretty handy, huh?

**Mission 5**

Your local medical doctor

is called a general practitioner

Doctors can measure the strain

Inside of your veins, your blood pressure

Your heart acts like a pump, it pushes blood round

The pulse of a beating heart makes a b-boom b-boom b-boom sound

Heart rate is the is the speed of the beats your heart is pumping

It speeds up if you’re running or jumping

You rest and it slows down

**Mission 6**

Organs are parts of you, and animals too

They have jobs to do

Some organs clean up things

So we describe them as cleansing

Your liver cleanses blood that’s already been used

Your spleen produces blood and it also cleans it through

Red blood cells run in your veins and carry round

The oxygen your lungs have found

In the air that you breathe in

**Mission 7**

Transfusion is a process

Of adding more blood to someone who has less

Blood type is a classification

If you used the wrong type there’d be a whole lot of mess

Blood group is another phrase for types of blood

When blood’s in a solid mass it’s called a clump

Someone getting medical care is called a patient

When don’t feel a hundred percent

Doctors care for us

**Mission 8**

Some people smoke cigarettes

But it’s terrible for you, don’t ever forget

It’s a tube filled with tobacco

Inhaled, or breathed, into the lungs it goes

Black tar is a poison found inside tobacco

Poison kills animals and people too did you know?

Lung cancer is a disease where cells can grow abnormally

And kill the cells in the lungs that help you breathe