

# Animals including Humans -Year 6

## What you should already know...

-Humans and animals go through life stages, including birth, growth, reproduction and death.

-Humans go through puberty as they move beyond childhood into adulthood, and their bodies age as they get older. You should know the different changes that take place.

-Different foods contain various quantities of carbohydrates, fats, proteins, fibre, vitamins and minerals. It is important to have the right balance.

Humans (and many animals) have skeletons, muscular systems and digestive systems. You should know the basic parts and purposes of these systems for humans.

### **KEY QUESTIONS**

What are saturated fats? How greasy are some foods? What are the important food groups? What is a healthy meal? What do we mean by Five-a-day? Why is exercise important?

### **KEY SKILLS I WILL LEARN/USE**

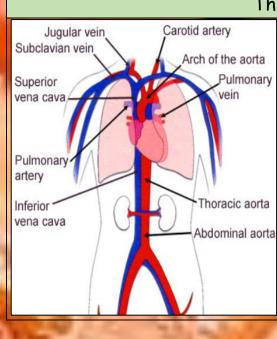
-Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

-Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

-Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

-Using test results to make predictions to set up further comparative and fair tests

-Identifying scientific evidence that has been used to support or refute ideas or arguments.



The Circulatory System

-The circulatory system is your body's delivery system. It is made up of your heart, blood and blood vessels.

-The human body needs a constant supply of blood to keep working. Blood delivers oxygen to all of the body's cells without this, cells would die. The circulatory system gets blood (and the oxygen) all around your body.

-The heart pumps blood to the lungs via the pulmonary artery, where it picks up oxygen. It is then returned to the heart through the pulmonary vein.

-The heart then pumps the oxygenated blood to the rest of the body through the aorta and the other arteries.

-Veins are vessels that bring blood back to the heart.

What I will have learnt by the end of the unit...

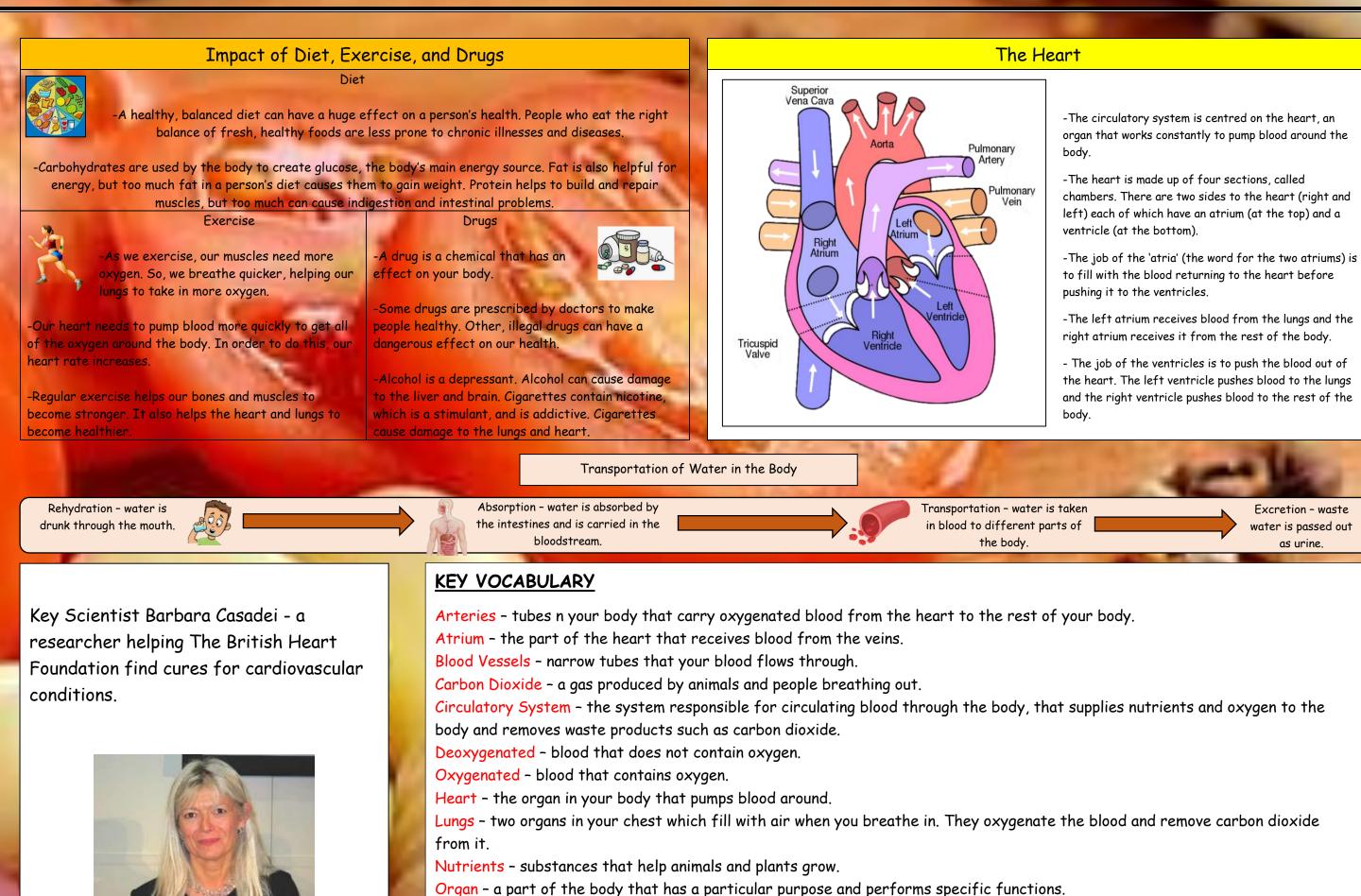
I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

I can recognize the impact of diet, exercise, drug and lifestyle on the way their bodies function.

I can describe the ways in which nutrients and water are transported within animals, including humans.







Oxygen - a colourless gas that plants and animals need to survive.

Respiration - inhaling oxygen and exhaling carbon dioxide. Another word for breathing. Veins - a tube in your body that carries deoxygenated blood through your body.