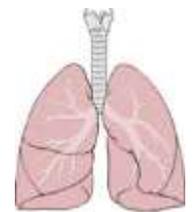


# Roby Park Primary School Year 6

## Biology

# Our Bodies



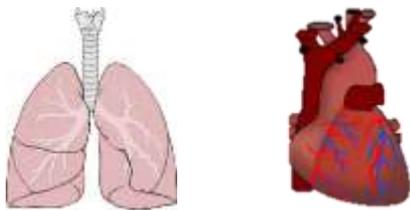
### What we already know:

- ✓ Which things are living and which are not.
- ✓ Classification of animals (e.g. amphibians, reptiles, birds, fish, mammals, invertebrates)
- ✓ Animals that are carnivores, herbivores and omnivores.
- ✓ Animals have offspring which grow into adults.
- ✓ The basic needs of animals for survival (water, food, air)
- ✓ The importance of exercise, hygiene and a balanced diet.
- ✓ Animals get nutrition from what they eat.
- ✓ Some animals have skeletons for support, protection and movement.
- ✓ The basic parts of the digestive system.
- ✓ The different types of teeth in humans.
- ✓ The life cycle of a human and how we change as we grow.

### We are learning to;

- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
- Describe the ways in which nutrients and water are transported within animals, including humans.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

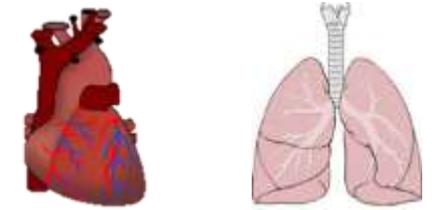




# Roby Park Primary School Year 6

## Biology

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- ✓ Animals get nutrition from what they eat.
- ✓ Some animals have skeletons for support, protection and movement.
- ✓ The basic parts of the digestive system.
- ✓ The different types of teeth in humans.
- ✓ Respiration is one of the seven life processes.
- ✓ The life cycle of a human and how we change as we grow.

#### Key Vocabulary

**Arteries** - Muscular-walled tubes that transport blood from the heart to other parts of the body.

**Blood** - Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues of the body.

**Blood vessel** - A tubular structure carrying blood through the tissues and organs.

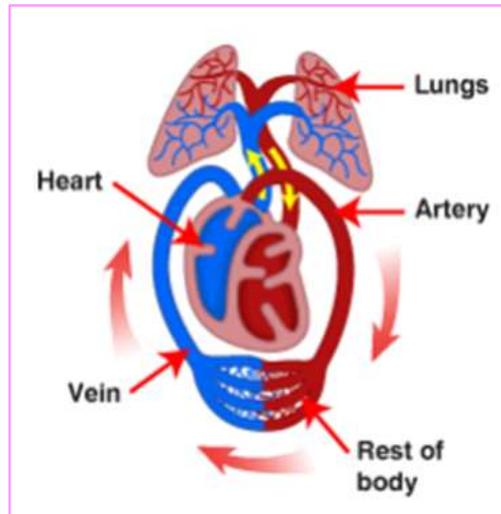
**Circulatory system** - The system that circulates blood through the body, including the heart, blood vessels and blood.

**Heart** - A hollow muscular organ that pumps the blood through the circulatory system.

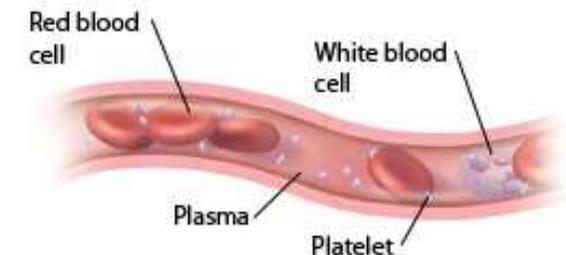
**Lungs** - Pair of organs situated within the ribcage where oxygen can pass into the blood and carbon dioxide be removed.

#### The Power of Five

How often your heart pumps is called your pulse.



- 1) Deoxygenated blood is sent to the heart from the rest of the body.
- 2) This is then sent from the heart to the lungs. Here, the blood picks up oxygen and disposes of carbon dioxide.
- 3) Oxygenated blood is then sent back to the heart.
- 4) The heart sends the oxygenated blood back to the rest of the body



Some choices, such as smoking and drinking alcohol can be harmful to our health.

**Tobacco** can cause short-term effects such as shortness of breath, difficulty sleeping and loss of taste and long-term effects such as lung disease, cancer and death

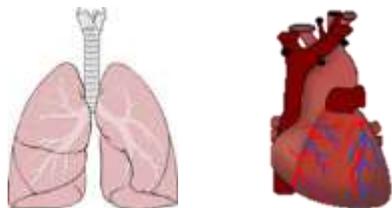
**Alcohol** can cause short-term effects such as addiction and loss of control and long-term effects such as organ damage, cancer and death

#### Investigate!

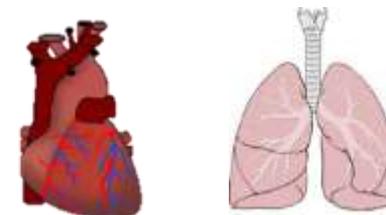
Find your pulse and see how many times their hearts beat in a minute.

Learn about the function of the heart and about the three different types of blood vessels. Make a documentary film about what the heart is, what it does and why it is important. Discuss balanced diets and they interview others about what they do to stay healthy. Make a health education poster highlighting the differences between drugs and medicine. Present and exhibit your work from the topic.





# Roby Park Primary School Year 6 Biology Our Bodies



## 5Ws

What do capillaries do?

Which direction to arteries carry blood?

Why does the heart pump blood to the lungs?

When can hearts become unhealthy?

Where does oxygenated blood travel?

## 3 2 1

Name 3 parts of your blood

.....  
.....  
.....

List 2 things that can have a negative affects on your heart.

.....  
.....

Recall 1 fact about natural selection:

.....



List 5 ways to keep your heart healthy



## VOCABULARY UNSCRAMBLE

l v a o e l l

Tiny air sacs in the lungs

i l e v r

This organ takes waste from the blood.

i e n v s

They carry de-oxygenated blood towards the heart.

x e r e l c e s

If you do this regularly, it will strengthen your heart.

## Speedy Pencil. Write as much as you can remember in 5 minutes



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.....  
.....

