



St Leo's and Southmead  
Catholic Nursery and Primary  
School

Year  
Six

# Science Knowledge Organiser

Summer  
Term

## Amazing Activities

Produce an informative display to encourage staff and pupils to make healthy choices

## Curriculum Links

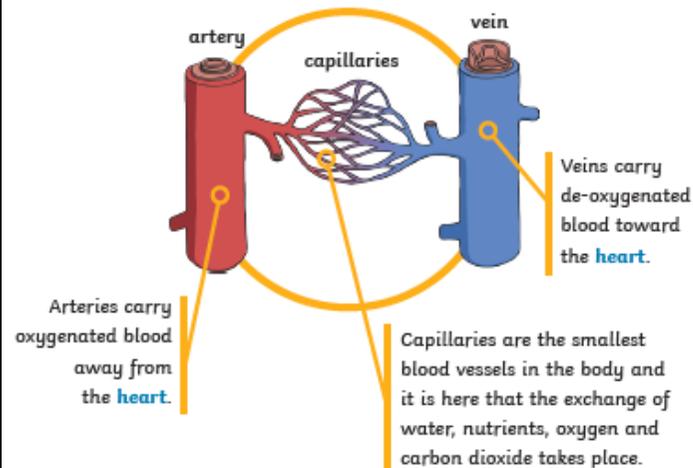
Art: improve their mastery of art and design techniques  
PSHE - Role of diet/physical activity on healthy lifestyle  
Computing - produce an advert

## Animals Including Humans

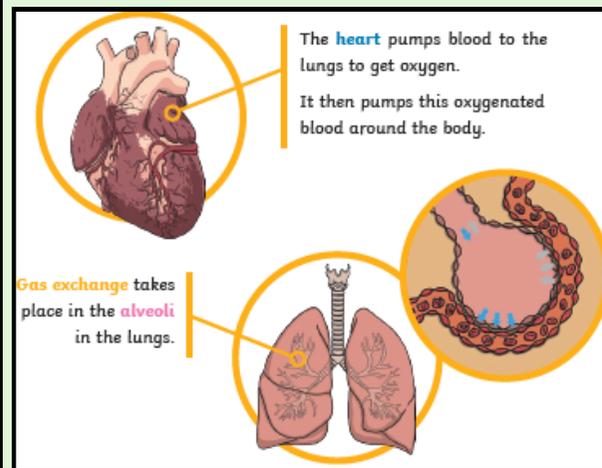
## Skills

- identifying scientific evidence that has been used to support or refute ideas or arguments
- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results
- Recognise which secondary sources will be most useful to research their ideas. Begin to separate opinion from fact
- Report their findings using in a variety of forms

### Blood Vessels



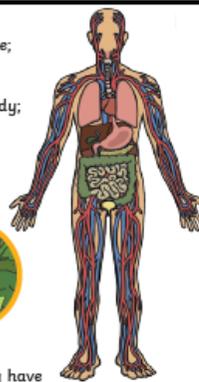
### Key Concepts



### Regular exercise:

- strengthens muscles including the heart muscle;
- improves circulation;
- increases the amount of oxygen around the body;
- releases brain chemicals which help you feel calm and relaxed;
- helps you sleep more easily;
- strengthens bones.

A healthy diet involves eating the right types of nutrients in the right amounts.



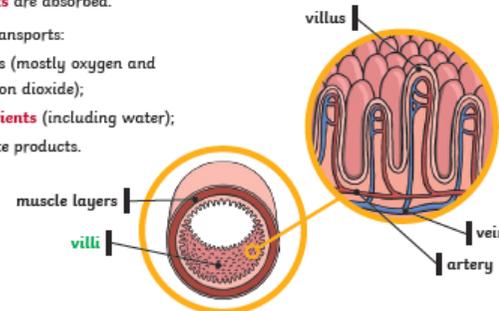
Drugs, alcohol and smoking have negative effects on the body.

### Inside the Small Intestine

The nutrients pass through the villi and are absorbed into the blood vessels. Water is absorbed in the small intestine in exactly the same way as other nutrients are absorbed.

### Blood transports:

- gases (mostly oxygen and carbon dioxide);
- nutrients (including water);
- waste products.



## Key Vocabulary

**Villi** - structures in the small intestine which help absorb nutrients  
**Nutrients** - substances that animals need to stay alive and healthy  
**Kidneys** - organs which filter blood and make urine from waste and excess water  
**Liver** - an organ which processes waste from the blood and produces bile  
**Drug** - a substance containing natural or man-made chemicals that has an effect on your body when it enters your system