



A healthy heart

Maths Learning

Number: Place Value

Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.

Round any whole number to a required degree of accuracy.

Use negative numbers in context, and calculate intervals across zero.

Solve number and practical problems that involve all of the above.

Number: Four Operations

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.

Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context.

Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.

Perform mental calculations, including with mixed operations and large numbers.

Identify common factors, common multiples and prime numbers.

Use their knowledge of the order of operations to carry out calculations involving the four operations.

Solve problems involving addition, subtraction, multiplication and division.

Use estimation to check answers to calculations and determine.

English Learning

Genres: Diary, persuasive argument, narrative, poetry (World Poetry Day), explanation (Science)

Core Text: Pigheart Boy by Mallory Blackman

Diary Writing

Writing a diary from the perspective of the main character of the core text. Using the skills needed to write a diary –which is compelling, uses a diary voice and uses understanding of the text and characters within.

Persuasive Argument

Considering the positives and negatives of organ transplantation. Using emotive language, rhetorical devices, fact and figures plus research to present a balanced, yet persuasive argument to enable the reader to decide their opinion.

Poetry

Using a poem based on a theme (Truth) to follow poetry rules of repetition, visual imagery and emotive language to create a poem.

Narrative Story

Using understanding and knowledge of the core text to retell the story and predict the ending that they think might happen. Writing will use inference and deduction skills to inform writing and consider the effect of the opening and closing paragraphs, in particular to hook the reader.

Explanation

Form is adapted for readership and audience; clear and consistent viewpoint established and maintained; organisation of points supports thorough coverage and emphasises main ideas; use of formal language where appropriate; layout devices used to structure text- heading, subheading, paragraphs.

Home Learning

Visit:

<https://www.bhf.org.uk/information-support/how-a-healthy-heart-works>

<https://kidshealth.org/en/kids/heart.html>

Activities to support learning:

Practically look at the effect of increased physical activity over an extended time by walking/ swimming/ cycling/ jogging.

Research the effects of a healthy lifestyle



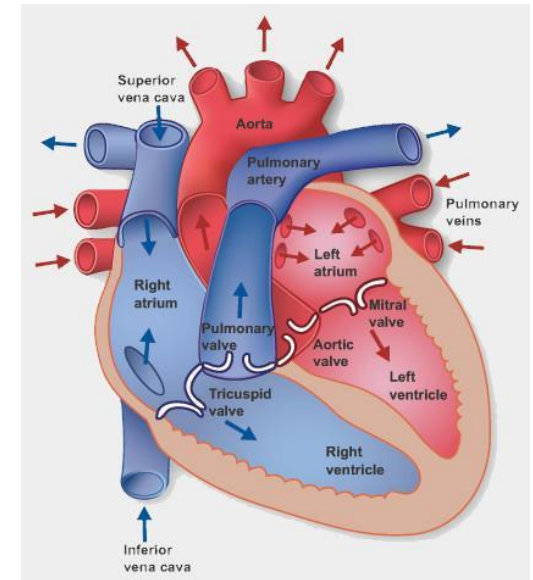
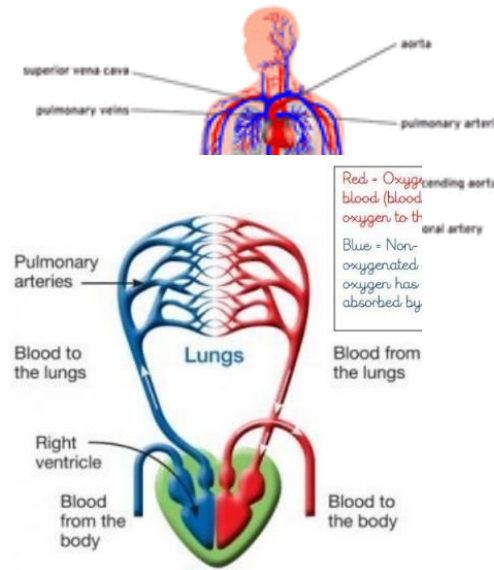
What I already know and can do:

In Science, I have:

- Described the simple functions of the basic parts of the digestive system in humans.
- Identified the different types of teeth in humans and their simple functions.
- Constructed and interpret a variety of food chains, identifying producers, predators and prey.
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
- Described the changes as humans develop to old age.

My new learning is:

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



Key Vocabulary I will learn:

Cardiovascular system	The body system that consist of the heart, blood vessels and blood. It carries necessary substances to cells, and waste products away from the cells.
Heart	A hollow, muscular organ that pumps blood around the body
Veins	Blood vessels that carry blood back to the heart
Arteries	Blood vessels that carry blood from the heart
Capillaries	Tiny blood vessels where substances are exchanged between blood and body cells
Atrium	Upper chambers of the heart
Ventricle	Lower chambers of the heart
Aorta	The largest artery in the body