

Creative Curriculum Theme – Blood Heart

Science

- Identify the main functions of the heart, lungs and blood vessels and state how the digestive system breaks down nutrients.
- Recognise what constitutes a healthy lifestyle and explain how scientific evidence has changed ideas about smoking.
- Identify how drugs and alcohol can impact negatively on the body.
- Take accurate measures of the pulse rate and recording results and write a report which includes a conclusion.
- Explain how the circulatory and digestive system connect to transport water and nutrients throughout the body.

Computing

- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a PowerPoint presentation, which will include collecting analysing, evaluating and presenting data and information.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

Science project

Science

- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.
- Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches .
- Use recognised symbols when representing a simple circuit in a diagram.

DT

- Design, make and evaluate an electrical alarm system.

English

We will read : **'Pig Heart Boy' by Malorie Blackman**

- Using further organisational and presentational devices to structure a news paper report.
- Integrating dialogue to convey character and advance the action in narratives.
- Use a wide range of devices to build cohesion across paragraphs.
- Revise different clauses (subordinate/ relative), tenses (present perfect/ past perfect) and spelling strategies.
- Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.

Maths

- Use knowledge of the order of operations to carry out calculations involving the four number operations.
- Solve multi-step problems in contexts, deciding which operations and methods to use and why.
- Draw 2-D shapes using given dimensions and angles.
- Solve problems involving calculation and conversion of units of measure, using decimals up to three decimal places.
- Applying formal written strategies to arithmetic calculations.

Physical Education

- **Gymnastics**—to perform a sequence using counter balance and counter tension.
- **Dance**— to perform a routine that symbolises flight.

French

- Ma Journée will be the focus; looking the daily life of a French child.
- Discuss a typical day: including times and breakfast.

Staff: Mrs Nicola Jones

Mr Andy Morgan

Mrs Angela Luckett

Mrs Belinda Steele

Mrs Ruth Esson



Religious Education

Find out about the activities of a local religious community and make links with key religious teachings.

Personal, Social, Health Education

Explore a controversial or emotive issue, considering both sides of an argument before forming a personal view or opinion.

Homework

Year 6 children are to complete assigned Monster SATs tasks weekly and must save it as complete on their account by the following Friday.

For further assessment practise, some useful internet sites for past papers and are:

- BBC Bitesize
- Entering: 'Past SATs Papers' into a search engine, can bring up many other helpful websites.

Children are also required to complete at least one project each half term from the selection below.

Research information and plan ideas for a weekly menu of food that your heart would love.

Spinach, porridge, blueberries, salmon and soya protein are all heart-healthy.

Write a poem about the heart - it can be scientific or be about emotions/feelings.

Find out about the historical tradition of Valentine's Day.

Why are hearts traditionally used as symbols of love?

Look out for heart shapes around you – in decorative ironwork, embellishment in clothing and jewellery, in nature and wallpaper.

Photograph your findings and make a colourful montage.

Find out about some famous heart surgeons. What do you need to study to become a heart surgeon?

How long would it take if you started right now?

What skills make you successful in this role?

Find out about the size and structure of a human heart and compare it to the size, structure and number of hearts in other animals (worms have five).

What does the phrase 'Blood is thicker than water' mean?

Write a short story using this as a title.

Measure your family's resting heart rates before putting them through their paces. Ask them to hop, skip, jump, and run measuring their heart rates after each activity.

Fill in a table with everyone's results before looking for patterns in the data.

Reading

Children are encouraged to read throughout the week (their chosen text from Accelerated Reader Programme). Home school link books must be brought in once a week so that teachers can see the time they are spending reading at home.

In school, children will then be given a quiz on their chosen book so that class teacher's can see their understanding of the text.

Times tables and mental strategies

Please practise the Year 3/4 and 5/6 common spelling words from National Curriculum Appendix (please ask your teacher for a list if you are unsure).

Use '**Times Table Rockstars**' to practise rapid recall of multiplication and division facts.

