BloodHeart

Science
Animals incl humans

1. Circulatory system - parts
2. Identify &
3. Explore blood
4. Transporting water & nutrients
5. Investigate what affects heart rate
6. Investigate Pulse rate
7. The
8. Impact of drugs &



Design Tech. Food

Investigative & Evaluative

Investigate range of cereal bars. Compare & contrast

Develop key vocab and taste test. Analyse ingre-dients

Focussed Practical Tasks

Develop use of utensils, compare packaging, measure & weigh ingredients

Design, Make, Evaluate

Establish design criteria & plan recipe, equipment & instructions

Evaluate Assess work to design Criteria

Awe

Source a sheep's heart for groups of children to handle and dissect with adult supervision. Challenge them to identify the external features including the major blood vessels such as the aorta and vena cava.

English

Explanation text

Children will read information books from the library and websites and use their knowledge gained from the Science lessons to write an explanation text for a science book on the circulatory system

Balanced argument

Children will research health issues and look at examples from journals, newspapers and online sources. They will choose an issue for discussion and write a balanced argument

Poetry

The Highwayman - this narrative po-em, written in 1913, tells a tragic tale of love, jealousy and bravery. With evocative language, a powerful rhythm and strong patterning, it is ideal for performance. The children will read and analyse the poem before writing their own additional verse

Maths

Year 5

Unit 7 Multiplication and Division (2)

Unit 8 Fractions (3)

Unit 9 Decimals and Percentage

Year 6

Unit 7 Ratio and Proportion

Unit 8 Algebra

Unit 9 Decimals

Computing

Teach computing: selection in physical computing 5:3

MfL

Unit 3 La nourriture

Music

Singing rehearsal Monday 1-1:30

PE

Invasion Games

Strike and Field

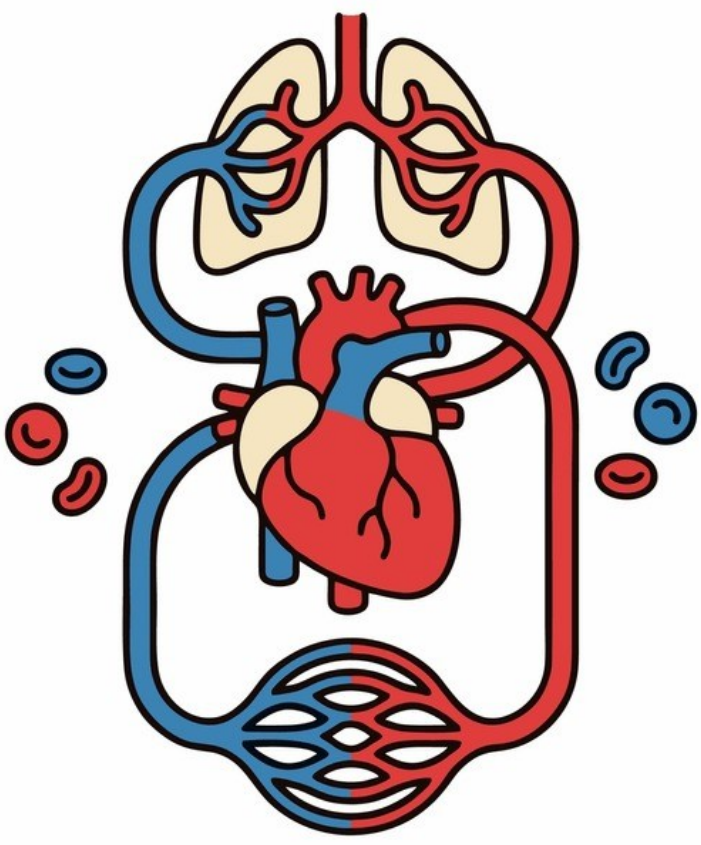
PSHE and RSE

RSE: RSE Year 5 strand- God loves me in my changing and development - emotional focus

Online Safety: Online Reputation

PSHE: How can we help in an accident or emergency

British Values: Democracy



Science in the outdoors

Giant Playground Diagram: Use playground chalk to draw a large heart with four chambers, lungs, and the rest of the body. Assign students to act as **red blood cells** (carrying oxygen) and **blue blood cells** (carrying carbon dioxide). Have them run or walk between the stations to simulate how blood circulates.

Balloon Gas Exchange: Use red and blue balloons to represent oxygenated and deoxygenated blood. Students must "pick up" a red balloon at the lungs (where oxygen is collected) and drop it off at the body muscles, picking up a blue balloon to represent the return of deoxygenated blood back to the heart.

Heart Rate & Exercise: Because the circulatory system works harder during physical exertion, get students to jog or run around the playground. Measure and plot their **resting heart rate**, their **heart rate immediately after exercise**, and see how long it takes to return to normal.

Chalk Flowcharts: Have children work in small teams to