KNOWLEDGE ORGANISER

SCIENCE	TRANSITION BLOOD SPLATTER	YEAR 6

Cross curricular links

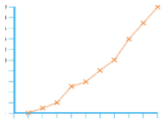
Mathematics:
Measures (distance)
Creating and using tables and diagrams to record data from investigations
Calculate mean and produce a calibration curve to examine results.

Key skills

Children will:

- identify and name the main parts of the human circulatory system
- describe the functions of the:
  - heart,
  - blood vessels
  - blood

Pictures/photos relevant to topic



Working Scientifically

Children will recognise and control variables when planning and carrying out investigations.

Children will make their own decisions about what observations to make, what measurements to use and whether to repeat them.

Children will record data and results using scientific diagrams and labels.

Children will look for different causal relationships in data.

Children will use a range of secondary sources to research scientific evidence that support or refutes ideas or arguments.

Key vocabulary

human circulatory system
blood
blood cells (red and white)
blood vessel
oxygenated blood
deoxygenated blood
platelets
plasma
pulmonary artery
pulmonary vein
blood splatter

Useful information

Online: The circulatory system - BBC Bitesize What is in your blood? - BBC Bitesize

At home challenge: The heart pumps Almost 6 litres of blood per minute. Think you can keep up? Fill a container with water, then set a timer. Use a small cup to scoop water into another container as fast as you can. Can you beat your own heart?