KNOWLEDGE ORGANISER

SCIENCE	THE HUMAN BODY	UKS2

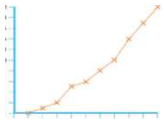
Cross curricular links

PSHE : understanding how bodies change and the impact of lifestyle choices on health and well-being

Mathematics: creating and using tables and graphs to record data from investigations

DT: nutrition and diet

Pictures/photos relevant to topic



Key skills

Working Scientifically

Children plan different types of scientific enquiries to answer their own questions.

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 tables and graphs.

Key Vocabulary/definitions

- **baby, child, adolescence, adult, old age**
- **circulatory system**
- **heart** – organ that pumps blood
- **artery** – transports blood full of oxygen away from the heart around the body
- **vein** - carries blood low in oxygen to the heart
- **nutrients** - the substances in food that our bodies process to enable it to function
- **impact** – the effect of one thing on another

Key facts

Children will:

- be able to describe the changes as humans develop to old age
- identify and name the main parts of the human circulatory system
- be able to describe the functions of the heart, blood vessels and blood
- be able to describe the ways in which nutrients and water are transported within humans
- recognise the impact of exercise on the way their bodies function

Online:

The human circulatory system: https://www.bbc.co.uk/bitesize/topics/zcyycdm/articles/z9w9r2p

How nutrients are transported around the human body: https://www.bbc.co.uk/bitesize/topics/z6wwxnb/articles/zsgk4xs

***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?**