



## Summer Term – Animals including Humans (Circulatory System)

### Synopsis:

### Suggested Investigations:

#### How does the heart work?

Children make a working model of the heart using balloons and a beaker the children create it and record how it works explaining using video).

#### How does smoking impact your lungs?

Place a piece of white or light coloured sponge into a glass jar. Roll up a piece of news paper into a cigarette shape and light it and put it in the jar with the lid sealed. Show how the smoke stays long after the fire is gone then let out the smoke and repeat throughout the day/lesson and show the effect on the sponge.

### Famous Scientist:

William Harvey <https://www.famousscientists.org/william-harvey/>

#### Dr Daniel Hale Williams

<https://www.thefamouspeople.com/profiles/daniel-hale-williams-12329.php>

## Science

Make Observations	Independently decide which observations to make
Perform Tests	Recognise and control variables where necessary Explain which variables need to be controlled and why
Ask Questions	Use science experiences to explore ideas and raise different types of question
Gather Data	Report and present findings from enquiries, examining causal relationships and reliability of results
Analyse Data	Interpret scientific evidence that has been used to support/refute arguments
Use Equipment	Take measurements using a range of scientific equipment with accuracy and precision, taking repeat readings where appropriate
Animals Including Humans	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