

Medium Term Planning

ILP: **Blood Heart**

Date: Summer 1

Memorable Experience: Children make fake blood samples

Week	Session 1	Session 2	Session 3	Session 4/ 5
Engage (week 1)	<p><u>L.O- To identify the major parts of the human circulatory system and their function</u></p> <p>Watch video clip of heart dissection? Use models, diagrams and posters to identify the key parts of the heart. Draw/ label/ write a short paragraph about each.</p>	<p><u>L.O- To carry out a fair test</u></p> <p>Science experiment to record the effect of physical exercise on each member of the class pulse speed.</p> <p>Plot results on a scatter graph to show the relationship between the two sets of data.</p>	<p><u>L.O- To identify the major parts of the human circulatory system and their function</u></p> <p>Find out about the components/ functions of blood from range of sources such as non-fiction and animations. Describe the function of: red blood cells, white blood cells, plasma and platelets.</p> <p>Children make fake blood samples to identify its layers? (See Cornerstones for instructions/ materials)</p>	<p><u>Lo- To discuss how scientific ideas have developed over time</u></p> <p>Research using a range of scientific and historical materials in to the development of the ABO blood group and the dangers of early blood transfusion. Identify four ABO blood groups and what happens if different samples are mixed. Write a report about physician Karl Landsteiner.</p>
Develop (week 2)	<p>PSCHE drugs and alcohol link: Images of smokers and non-smokers and explain differences between the two. Why might this be?</p>	<p>PSCHE drugs and alcohol link: Watch a video clip/ use appropriate websites to research further in to the health effects of smoking. Life-sized diagram of a person annotated with information, diagrams and warnings.</p>	<p>PSCHE drugs and alcohol link: Discuss/ analyse the adverts/ campaigns to prevent smoking. What do you notice? What techniques do they use? Which example is the most effective and why? APE paragraph.</p>	<p>PSCHE drugs and alcohol link: Plan/ design own advertising campaign to try and persuade people to stop smoking and include research/ findings from the week.</p>
Develop (week 3) SATS week	<p>Abstract Heart Artwork Artwork applying chalk techniques</p>	<p>Abstract Heart Artwork</p>	<p>Abstract Heart Artwork</p>	<p>Abstract Heart Artwork</p>
Develop (week 4)	<p><u>L.O- To identify how blood flows through the vessels</u></p> <p>Investigate how blood flows through vessels and the impact of blockages.</p> <p>Experiment: See Cornerstones for instructions/ materials needed.</p> <p>Record findings using diagrams, tables etc.</p>	<p><u>L.O- To identify the circulation process</u></p> <p>Flowchart diagram to illustrate the circulation process.</p>	<p>Plan, design and make a model to show the heart's four chambers, showing how they connect to each other, the lungs and different parts of the body by way of blood vessels. Can they make a functional model where blood actually moves?</p>	<p>P.E lesson - Circulatory game (See Cornerstones)</p>