**Year 6 Science – Animals and Humans**

|  |  |  |
| --- | --- | --- |
| **Lesson** | **Topic** | **Activity/Activities** |
| 1 | Composition of blood and its function | Research what makes up blood: plasma, red blood cells, white blood cells and platelets. What are they?   * <https://www.khanacademy.org/science/biology/human-biology/circulatory-pulmonary/a/components-of-the-blood> * <https://www.youtube.com/watch?v=2Efh50dxK3k> (Watch the beginning of the video)   What is blood and what does blood do?   * <https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/zqv4cwx> * <http://www.cyh.com/HealthTopics/HealthTopicDetailsKids.aspx?p=335&np=152&id=2250> * Choose how to present your findings – you could film yourself informing others of what makes up blood, what it is and what it does using props/poster/non-chronological report etc |
| 2 | Blood Groups | **Find out how many different blood groups there are.** Doctors can give blood from one person to another in what is called a transfusion. Blood that someone is given is 'matched' so that it won’t be destroyed by their immune system. **Find out which blood groups can donate to which.** |
| 3 | The heart | Label a cross section diagram of the heart and draw arrows to show the direction of oxygenated and deoxygenated blood – learn the names of the main parts of the heart system. |
| 4 | The circulatory system | Watch the videos:   * <https://www.youtube.com/watch?time_continue=4&v=pjOxpLEynIE&feature=emb_logo> * <https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/zs8f8mn>   to show how the circulatory system keeps us alive.  Find out what job the lungs do for your circulatory system and how they help blood in our bodies – create a fact file/report about lungs. |