

Blood, Bones & Body Bits Topic Homework (Pig Heart Boy)

	A - Science	B - PE	C - Art/DT	D - Literacy
2 points	Create a poster or leaflet advising people of the dangers of drugs and alcohol on the body. You may wish to include alcohol, nicotine and caffeine.	Complete a Joe Wicks PE lesson or a Cosmic Yoga lesson on You Tube.	Design a new front cover for the book Pig Heart Boy.	Write a diary entry as Cameron when he is considering having a pig heart transplant.
5 points	Draw (or trace) a diagram of the heart and label the: <ul style="list-style-type: none"> - Left and right ventricles - Left and right atriums - Pulmonary vein and artery - Vena cava - Aorta 	Create a poster to be displayed in the hall explaining the importance of warming your muscles before exercise and stretching after exercise. <i>Remember it should be bright and simple to attract attention.</i>	Choose your favourite part of the story so far. Write a brief summary of your favourite part and design an illustration that could be used in the book.	Write a letter from Cameron to Dr Bryce. In your letter include questions and concerns that Cameron may have.
7 points	Draw a diagram and write an explanation to show how oxygenated blood is circulated around the body. Remember to explain: <ul style="list-style-type: none"> - Systemic - Pulmonary 	Create a leaflet informing people of the positive effects of exercise on their bodies.	Create a model of a heart. Make sure you have included the: <ul style="list-style-type: none"> - Left and right ventricles - Left and right atriums - Pulmonary vein and artery - Vena cava - Aorta 	Write a debate with points for and against animal organs being used in human medicine.
10 points	Create your own blood! Make a 'blood sample'. Think about how you could represent the different components of blood. You may wish to use marshmallow, cereal, pom poms, sprinkles, food colouring etc. Be as creative as you can but remember to represent: <ul style="list-style-type: none"> - Red blood cells - White blood cells - Platelets - Plasma - Nutrients Take a photograph of your blood sample and write an explanation of what you included and why.	Measure your resting heart rate and your heart rate after 10 minutes of exercise. Continue to measure your heart rate every minute for 10 minutes afterwards. What has happened? Why is this? Use a graph and written explanation to show your finding.	Design and make a model that shows how the human circulatory system works.	Write a newspaper article detailing Cameron's story and expressing the differing views on animal organs use in human medicine.

You may choose which activities you complete from the grid.

You must complete an activity from each area (A-D) and you must complete at least 35 points by half term - obviously I'd love it if you did more!

Remember not to leave it all to the last minute. Every few weeks we will check in to see how you are getting on and then at the end of the half term we will ask you to bring in your 35+ points worth of homework.

Have fun!

Mrs Gray