



	Lessons Sequence					
TOPIC (S) Organisation	1. Cells, tissues & organs. 2. The digestive system (req prac) 3. The heart and blood vessels 4. Blood		5. Coronary Heart Disease 6. Health issues 7. Effect of lifestyle on health		8. Cancer 9. Plant tissues 10. Plant organ systems	
Knowledge & Skills development	<ul style="list-style-type: none"> How to classify cells, tissues, organs and organ systems. Structure and function of the digestive system including bile, glandular tissue. Structure and function of the heart. Names and structure of the 3 types of blood vessels. Components of blood functions. Definition of CHD. 			<ul style="list-style-type: none"> Awareness of the risk factors that can contribute to CHD. Definition of health including mental health. Lifestyle choices and the effect these have on health. Definition of cancer. Differences between malignant and benign. Classification of plant cells, tissues, organs and organ systems. 		
Assessment / Feedback Opportunities	Targeted questioning throughout topic	Teacher assessment of practical skills during investigation - verbal	Knowledge recall quick quizzes	Deep marking of written task in students books	Topic Test	Targeted exam questions – teacher or self-assessed
Cultural Capital	<ul style="list-style-type: none"> The role of the National Blood Service, blood donation and Jehovah Witness beliefs Differing religious beliefs and organ donation 					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	<ul style="list-style-type: none"> Informed decisions about lifestyle choices and the consequences of these The role of the National Blood Service and blood donation including artificial blood The donor register NHS health campaigns Working in groups during practicals or research tasks 					
Reading opportunities	<ul style="list-style-type: none"> Reading and following methods Newspaper articles on health Recommended Read: The complete Human Body (Dr Alice Roberts) Recommended Read: The Concise Human Body Book: An Illustrated Guide to its Structure, Function and Disorders (Dorling Kindersley) 					
Key Vocabulary	<p>Independent Variable, Dependent Variable, Control Variables, Method, Conclusion, Precaution, Evaluation, Reliable, Precision, Valid, Anomaly, Describe, Explain, Compare, Analyse, Calculate, Suggest</p> <p>Arteries, Veins, Capillaries Heart Atria, Ventricles. Pacemaker Red blood cells, White blood cells, Plasma, Platelets, Haemoglobin, Double circulatory system, Oxygen, Oxygenated and deoxygenated, blood, Digestion, Enzyme, Active site, lock and key theory, denature, catalyst, Optimum, Protease, Lipase, Carbohydrase, Amylase, Bile, Glandular tissue, Stomach, Epithelial tissue, Non-communicable, disease, Communicable, Risk factor, Coronary heart disease, Stent, Statins, Disease, Tumours, Benig, Malignant, Lifestyle, risk factors, Genetic risk factors Type 1 & 2 diabetes</p>					
Digital Literacy	<p>SharePoint resources including topic quizzes</p> <p>Possible use of excel to plot graphs and analyse data, powerpoint, word, etc to present information, internet for research</p>					

Cross-Curricular Links	PHSCE, Food technology, Physical Education, Religious Education. Numeracy/Maths – averages (means), reading scales, graph plotting, lines of best fit, using and rearranging equations, using scientific calculators
Careers	Nursing, medicine, nutritionist, cardiologist, health visitor, horticulture