

		KNOWING WHAT (information, facts & content)			KNOWING HOW (skills)			
		There are no prior learning requirements for the course, but knowledge of the following topics is advantageous: Animal Cells Structure and Function of the Nervous System Structure and Function of the Circulatory System Structure and Function of the Digestive System Immunity and Gluco-regulation			There are no prior learning requirements for the course, but skills in the following areas are advantageous: Interpreting Tables and Graphs Percentages, ratios, mathematical notation Using laboratory equipment Written and verbal communication skills			
		Year 12 Term 1	Year 12 Term 2	Year 12 Term 3	Year 13 Term 1	Year 13 Term 2	Year 13 Term 3	
CURRENT YEAR Y11	Prior Knowledge Content from Y11	Unit 1 Human Health and Disease. This unit is worth 25% of the qualification. It will be assessed in May of year 12 with a 2 hour written paper. This unit develops knowledge and understanding of human anatomy and physiology. The unit will develop an understanding of the function of organ systems and some problems that can occur in these systems. The unit will enable learners to understand the normal functioning of the body at a cellular and physiological system level. They will learn how these systems react in different situations, and how these systems can go wrong in order to report on health of individuals. It is comprised of: 1.1 Understanding biological principles 1.2 Understanding the function of human physiological systems 1.3 Understanding how external factors impact on the body 1.4 Reporting on human health			Unit 4 Medicines and Treatment of Disease This unit is worth 20% of qualification. It will be assessed in term 1 in class over 8 hours. This unit develops knowledge and understanding about the science of medicines, and how they work through their interactions with body systems. It also introduces cancer, its relationship to genetics, and the range of therapeutic treatments available. The unit will enable learners to provide information to a range of audiences on how medicines work, to bring about effective treatment of diseases and disorders. It is comprised of: 4.1 The management of medicine 4.2 How medicines work 4.3 The principles of the treatment of cancer 4.4 Providing information about medicines		Unit 6 Medical Case Study This unit is worth 15% of qualification. It will be assessed in May of year 13 with a 2 hour written paper. This unit is the overall synoptic unit for the Extended Certificate qualification. It provides the opportunity for learners to demonstrate their understanding of the connections between the other five units of this Medical Science qualification. The content of this unit requires learners to apply skills, techniques, knowledge, understanding and concepts from across the qualification content in order to complete the required assessment. The assessment provides integrated and purposeful contexts in which candidates will demonstrate the knowledge, understanding and skills they have developed through all the other units within the qualification. The contexts provided are medical case studies, which require candidates to analyse the information provided and develop a thorough assessment of the situation based on their knowledge and understanding gained from the other units of this qualification.	
	KNOWLEDGE AND METHODS focus	Unit 2 Physiological measurement techniques. This unit is worth 12.5% of qualification. It will be assessed early in term 2 in class over 6.5 hours. This unit develops knowledge and understanding about the physiological measurements that can be made to assess the function of major body systems. It relates anatomy and physiology to physiological measurement test results, through an understanding of the principles of the measurement techniques. The unit will enable learners to perform tests which will accurately measure a range of physiological functions. They will be able to interpret the results of these tests and other tests and link this to possible physiological disorders. It is comprised of: 2.1 The function of physiological measurement tests 2.2 How to deal with patients 2.3 Carrying out physiological measurement tests 2.4 Reporting on physiological measurement testing	Unit 3 Medical Science Research Methods. This unit is worth 12.5% of qualification. It will be assessed in term 3 in class over 5 hours. This unit develops knowledge and understanding of planning, conducting and reporting of research in medical sciences using a range of methodologies and techniques. It is intended to enable the acquisition of the necessary knowledge and skills to carry out research in order to obtain meaningful information. It also seeks to promote an understanding of the processes involved in drawing meaningful inferences from research data. Learners will use their knowledge and understanding of research methods to conduct their own research. They will process the data they have collected and make evidence based conclusions. It is comprised of: 3.1 Research methods 3.2 Collecting data 3.3 Data analysis 3.4 Processing data 3.5 Communicating information	Unit 5 Clinical Laboratory Techniques This unit is worth 15% of qualification. It will be assessed in term 1 in class over 7 hours. This unit develops knowledge and understanding about the clinical laboratory techniques that can be used to assess body functions. It relates knowledge and understanding of human physiology and biochemistry to clinical measurement test results through an understanding of the principles of the measurement techniques. The unit will enable learners to perform tests which will accurately measure a range of biochemical and microbiological parameters. They will be able to interpret the results of their tests, and other test results and link these results to possible physiological disorders. It is comprised of 5.1 Understanding clinical testing 5.2 Carrying out clinical laboratory techniques 5.3 Processing data from clinical tests				
Planned ASSESSMENT opportunities	<ul style="list-style-type: none"> In class marked tasks. Homework 	<ul style="list-style-type: none"> Preparation work for unit 2 assessment The controlled assessment for unit 2 Unit 1 PPE 1 	<ul style="list-style-type: none"> Preparation work for unit 3 assessment. Controlled assessment for unit 3 Unit 1 PPE 2 Unit 1 Exam 	<ul style="list-style-type: none"> Controlled assessment unit 4 Controlled assessment unit 5 Unit 6 PPE 1 	<ul style="list-style-type: none"> Unit 6 PPE 2 			