



Subject Intent Statement:

We want our biology students to appreciate and be inquisitive about the big concepts and questions in biology; reflecting on both the past and present as well as the many global challenges we face in the future. We also want our students to be excited and curious about the natural world and be motivated to aspire to biology-based careers.

	Year 7*	Year 8*	Year 9	Year 10	Year 11	Year 12		Year 13			
						Teacher 1	Teacher 2	Teacher 1	Teacher 2		
Term 1	Biology 1: <i>Basics of Life</i>	Biology 3: <i>Essential life processes</i>	1.1 Cell structure	2.2 Digestive System + Enzymes	5.1 Homeostasis + 5.2 Human nervous system	2.1.1 Cell Structure + 2.1.5 Biological Membranes	2.1.2 Biomolecules – water, carbohydrates, lipids and proteins	5.1.1 Communication and Homeostasis	5.2.2 Respiration		
Term 2				2.2 The Circulatory and Respiratory Systems	5.3 Hormonal system in humans + 5.4 Plant hormones (T)			5.1.2 Excretion		5.2.1 Photosynthesis	
Term 3			1.3 Cell Transport	4.2 Respiration	6.1 and 1.2 Reproduction, cell division and genetics	3.1.2 Transport in Animals	2.1.2 Nucleotides and Nucleic acids + 2.1.6 Cell Division, Diversity and Organisation	5.1.3 Nervous System	6.1.1 Cellular Control		
Term 4				2.2 Epidemiology + 3.1 Communicable Disease	2.2 Non-communicable Disease and risk factors			6.2 -6.4 Variation, evolution and classification		5.1.4 Hormonal Systems	6.1.3 Manipulating Genomes
Term 5			Biology 2: Genetics and Biodiversity	Biology 4: <i>Genetics and Biodiversity</i>	2.2 Digestive System + Enzymes	2.3 Plant tissues and transpiration	Applied Genetics – GE, artificial selection, cloning (T) and biotechnology (T)	3.1.3 Plant Transport	4.2.1 Biodiversity	6.1.2 Inheritance	6.2.1 Cloning and Biotechnology
Term 6						4.4 Photosynthesis + 3.3 Plant Disease (T)	7.2 Organisation of ecosystems + 7.4 Human Influences on Ecosystems + 7.5 Food production			4.2.2 Evolution and Variation	
	2.2 The Circulatory and Respiratory Systems	5.1 Homeostasis + 5.2 Human nervous system					4.2.2 Classification	6.3.2 Populations and Sustainability	6.3.1 Ecosystems		
					5.1.1 Communication and Homeostasis	6.3.2 Populations and Sustainability 6.3.1 Ecosystems					

