Biology - Triple Foundation

Topic	Content
SB1 – Key concepts (paper 1 or 2)	Plant and Animal cells Enzyme activity Food tests Transporting substances
SB6 – Plant structures and their functions (paper 2)	Photosynthesis Adaptations of a leaf
SB7 – Animal coordination, control and homeostasis (paper 2)	Hormones The menstrual cycle & contraception Osmoregulation The kidneys & production of urea Thermoregulation Control of glucose Diabetes & Type 2 diabetes
SB8 – Exchange and transport in animals (paper 2)	Cellular respiration Exercise, aerobic & anaerobic respiration Respiration rates (core practical) The circulatory system & blood vessels Efficient transport and exchange Factors affecting diffusion
SB9 – Ecosystems and material cycles (paper 2)	Biodiversity Climate change & Global warming Food security Preserving biodiversity Quadrats and transects (core practical) Parasitism and mutualism The carbon cycle

Biology - Triple Higher

Topic	Content
SB1 – Key concepts (paper 1 or 2)	Magnification Movement of substances
SB6 – Plant structures and their functions (paper 2)	Photosynthesis Adaptations of the leaf Factors affecting photosynthesis Light intensity & photosynthesis (core practical) Inverse square law
SB7 – Animal coordination, control and homeostasis (paper 2)	Hormones The menstrual cycle Control of blood glucose Diabetes & type 2 diabetes Thermoregulation Osmoregulation

	The kidneys (& making urea) Control or water content
SB8 – Exchange and transport in animals (paper 2)	Cellular respiration Exercise – aerobic respiration & anaerobic respiration Rates of respiration (core practical) Efficient transport and exchange (gas exchange) The circulatory system & blood vessels
SB9 – Ecosystems and material cycles (paper 2)	Ecosystems & food webs Energy transfer Assessing pollution Biodiversity & humans Preserving biodiversity Carbon cycle Nitrogen cycle