

Biology Triple – Higher and Foundation

Foundation

Topic	Content to revise
Key Concepts in Biology	Parts of a cell and their function, microscopes – preparing a slide and calculations, osmosis
Plant Structure and their functions	Investigating rate of photosynthesis, Root hair cells and adaptations, Transpiration and Translocation, Structure of xylem and
Animal Co-ordination, Control and Homeostasis	Thermoregulation, Osmoregulation, The kidneys
Exchange and Transport in Animals	Components of the blood, their function and adaptations. Arteries and veins and their structure, Structure of the heart
Ecosystems and Material Cycles	Water cycle, Carbon cycle, Decomposition, Eutrophication, Energy transfer

Higher

Topic	Content to revise
Key Concepts in Biology	Food tests, Fick's law
Plant Structure and their functions	Translocation, Transpiration, Xylem vessel structure
Animal Co-ordination,	Contraceptive pill, Type 2 diabetes, TSH and thyroxine, Plant hormones, Adrenaline, Osmoregulation

Control and Homeostasis	
Exchange and Transport in Animals	Structure of blood vessels, Aerobic and Anaerobic respiration, Fick's law,
Ecosystems and Material Cycles	Pollution, Energy Transfer, Parasitism, Mutualism, Nitrogen Cycle, Decomposition, Sampling, Eutrophication, Reforestation