

Y10 End of Year Exam Preparation: *Combined Science*

Exam(s):

Exam 1: *Biology 60 marks (70 minutes)*

Exam 2: *Physics 60 marks (70 minutes)*

Revision Topic List - Biology (Foundation)	
Content	Skills
Cell structure * inc sperm cells	Converting between units
Microscopes	Magnification calculations
Enzymes and pH	Analysing data in graphs
Growth	
Mitosis	
Meiosis	
DNA structure and extraction	
Fossils and stone tools	
Selective breeding	
Pathogens	
Growth of bacteria	
Antibiotics	

Revision Topic List - Biology (Higher)	
Content	Skills
Specialised cells	Magnification calculations
Enzyme action	Percentages
Mitosis	Analysing data in tables
Stem cells	
Reflex arc *	
DNA - structure and extraction	
Sex determination	
Natural Selection	
Selective breeding	
Pathogens	
Antibiotics	
Growth of bacteria	

Revision Topic List - Physics (Foundation)	
Content	Skills
Renewable and non-renewable energy *	Analysing data in graphs
Energy efficiency	Designing experiments
Ripple tank core practical	GPE/KE calculations
Uses of waves in EM spectrum	Using velocity/time graphs
Radioactivity and half life	Acceleration calculations
	Using Newton's Second Law

Revision Topic List - Physics (Higher)	
Content	Skills
Energy efficiency	Analysing data in graphs
Refraction	Designing experiments
Electromagnetic waves	GPE/KE calculations
Gold Foil Experiment	Using velocity/time graphs to calculate acceleration
Momentum	
Investigating Newton's Second Law *	