

Y11 Mock Exam Preparation: *Combined Science*

Exam(s):

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

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

Revision Topic List - Biology (Foundation)	
Content	Skills
Specialised cells	Interpreting data in tables and graphs
Human evolution and evidence for it	Designing experiments
Selective breeding	
Neurones and synapses	
Hormones and glands	
Type 2 diabetes	
Photosynthesis and leaves	
Exercise and respiration	
Respiration core practical	
Competition in species	
Sampling techniques*	

Revision Topic List - Biology (Higher)	
Content	Skills
Methods of transport in cells	Designing an experiment
Specialised cells	
Human Evolution and evidence for it	
Classification	
Using a microscope	
Nervous system	
Adaptations of a leaf	
Transport in plants	
Respiration and the core practical	
Menstrual cycle	
Control of blood glucose*	

Revision Topic List - Chemistry (Foundation)	
Content	Skills
Ions	Interpreting data in tables
Structure of Periodic Table	Calculating empirical formula
Atomic structure	Calculating percentage by mass
Neutralisation experiments	Balancing equations
Hazard symbols	Calculating reacting masses
Gas tests	Drawing a graph
Endothermic and Exothermic reactions	
Noble gases	
Reactions of the Halogens	
Evolution of the atmosphere*	

Revision Topic List - Chemistry (Higher)	
Content	Skills
Simple covalent substances	Balancing equations
Giant covalent substances*	Calculating reacting masses
Properties of acids	Calculating empirical formula
Neutralisation experiments	Drawing dot and cross diagrams
Combustion	Calculations with moles
Hydrocarbons	Stoichiometry
Noble gases	Drawing graphs
Earth's atmosphere	Analysing data from graphs and tables