2026 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**
Enzymes and pH	Interpreting data in tables and graphs
Microscopes and how to make a slide	Designing experiments
Genetics - Punnett squares, DNA structure	Calculating cardiac output
Spread of Disease	
Plants and Photosynthesis - transport of substances, role of chlorophyll, investigating photosynthesis	
Respiration	
Components of blood and structure and function of blood vessels	

Revision Topic List - Biology (Higher)	

Content	Skills
Enzymes	Designing an experiment
Methods of transport	Interpreting results
Immune System	
Spread of Disease	
Type 2 Diabetes	
Menstrual Cycle	
Assisted Reproductive Technologies	
Nitrogen cycle/Nitrates and plants	

Revision Topic List - Chemistry (Foundation)	
Content	**Skills**
Separation Techniques - distillation and chromatography	Dot & Cross diagrams
States of Matter	Percentage by mass
Chemical bonding	Balancing equations
Obtaining precipitates	Empirical formula calculations
Hazards	Electron configurations
Halogens - properties	
Alkali metals	
Noble gases	
Alkanes	
Fractional distillation of crude oil	
Earth's Atmosphere today	

Revision Topic List - Chemistry (Higher)	
Content	**Skills**
Chemical bonding	Dot & Cross diagrams
Obtaining precipitates	Bond Energy calculations
Acids and their reactions with metals	Balancing equations
Alkali Metals	Ionic equations
Noble Gases	Empirical formula calculations
Energy profiles	Electron configurations
Alkanes	Using Avogadro's constant