

GCSE Combined Science - Paper 1 ONLY

Working Scientifically		R	A	G
The Scientific Method				
Designing & Performing Experiments				
Presenting Data				
Conclusions, Evaluations and Units				

BIOLOGY – PAPER 1 ONLY		R	A	G
Topic 4.1: Cell Biology	Cell structure			
	Cell Division			
	Transport in cells			
Topic 4.2: Principles of organisation	Principles of Organisation			
	Animal tissues, organs and organ systems			
	Plant tissues, organs & systems			
Topic 4.3: Infection & Response	Communicable diseases			
Topic 4.4: Bioenergetics	Photosynthesis			
	Respiration			

CHEMISTRY – PAPER 1 ONLY		R	A	G
Topic 5.1: Atomic Structure and the periodic table	A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes			
	The periodic table			
Topic 5.2: Bonding Structure and the Properties of matter	Chemical bonds, ionic, covalent and metallic			
	How bonding and structure are related to the properties of substances			
	Structure and bonding of carbon			
Topic 5.3: Quantitative Chemistry	Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations			
	Use of amount of substance in relation to masses of pure substances			
Topic 5.4: Chemical Changes	Reactivity of metals			
	Reactions of acids			
	Electrolysis			
Topic 5.5: Energy Changes	Exothermic and endothermic reactions			

PHYSICS – PAPER 1 ONLY		R	A	G
Topic 6.1: Energy	Energy changes in a system, and the ways energy is stored before and after such changes			
	Conservation and dissipation of energy			
	National and global energy resources			
Topic 6.2: Electricity	Current, potential difference and resistance			
	Series and parallel circuits			
	Domestic uses and safety			

	Energy transfers			
Topic 6.3: Particle Model of Matter	Changes of state and the particle model			
	Internal energy and energy transfers			
	Particle model and pressure			
Topic 6.4: Atomic Structure	Atoms and isotopes			
	Atoms and nuclear radiation			

To help you revise and fill any gaps in your learning please use:

- Sparx Science
- CGP AQA Combined Science Knowledge Organiser
- Science Revision website: <https://sites.google.com/sirjohnhunt.co.uk/sjhcsc-science-exam-revision/home>